GPO/DAA/Anthea Boyd

Source of Acquisition
NASA Johnson Space Center

Decal Process Document and Catalog
JSC 27260
Abstract

The Decal Process Document and Catalog, JSC 27260 is the standard flight decal catalog, complete with illustrations and part numbers. As hardware developers identify labels that have common applicability across end items, these labels can be evaluated for "standard decal classification" and entered into the decal catalog for general use. The hardware developer must have a label design that meets current, applicable labeling requirements, and submit to the Decal Design and Production Facility (DDPF) as a standard label candidate. Upon approval, the label will be added to the decal catalog.

The Decal Process Document and Catalog provides a selection of decals from which the NASA and NASA contractor customers can easily order. The decals shown in the catalog have been previously produced and have released engineering/fabrication drawings on file in the (DDPF). A released drawing is required before a decal can be produced or placed into the catalog.

Some decals included in the catalog have a common applicability and are used in various NASA vehicles/habitats. It is the intent of the DDPF to maintain this catalog as a "living document" to which decals/placards can be added as they are repeatedly used. The advantage of identifying flight decals in this catalog is that a released drawing is already in place, and the products will be flight certified.

JSC-27260C

Decal Design & Production Facility

Decal Process Document and Catalog

Flight Projects Division

National Aeronautics and Space Administration

Lyndon B. Johnson Space Center
Houston, Texas 77058

August 20, 1999

DECAL DESIGN AND PRODUCTION FACILITY
Decal Process Document and Catalog

NASA APPROVAL:

Larry D. Toups 8/26/99
OB/Larry D. Toups
Flight Crew Support & Integration

SF6/Dane Russo 8/24/99
Chief, Crew Station Branch

JOHNSON ENGINEERING APPROVAL:

Nicholas E Combs
Nicholas E. Combs
Deputy Program Manager
Crew Station Operations

Prepared By
Johnson Engineering Corporation
Contract NAS9-18800
For
Space and Life Sciences Directorate
SF/Flight Projects Division

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
LYNDON B. JOHNSON SPACE CENTER
HOUSTON, TEXAS

August 20, 1999

DECAL DESIGN AND PRODUCTION FACILITY
Decal Process Document and Catalog

CHANGE/REVISION LOG

Date	Authority	Pages Affected	Change No.	Change Description
06/30/96	FCSD CCP	ALL	Revision A	Replace Basic Release dated 11/01/95 with Revision A dated 06/03/96
09/08/97	FCSD CCP	ALL	Revision B	Replace Revision A dated 06/03/96 with Revision B dated 09/08/97
08/20/99	FPD CCP	ALL	Revision C	Replace Revision B dated 09/08/97 with Revision C date 08/20/99

TABLE OF CONTENTS

PART I

DECAL DESIGN & PRODUCTION FACILITY (DDPF) PROCESS

PART II

DECAL DESIGN & PRODUCTION FACILITY CATALOG

INTRODUCTION

This document is in two parts:

Part I: Decal Design and Production Facility (DDPF) Process

This process is designed to provide the reader with a description of the Decal Design and Production Facility (DDPF) and its processes. This description will include the DDPF capabilities, processes and guidelines for those interested in initiating services.

Part II: Decal Design and Production Facility Catalog

The Decal Design and Production Facility Catalog is the standard flight decal catalog, complete with illustrations and part numbers. As hardware developers identify labels that have common applicability across end items, these labels can be evaluated for "standard decal classification" and entered into the Decal Catalog for general use. The hardware developer must have a label design that meets current, applicable labeling requirements, and submit it to the DDPF as a standard label candidate. Upon approval the label will be added to the Decal Catalog.

NOTE: The advantage of identifying Flight decals in this catalog is that a released drawing is already in place, and the products will be flight certified. A JSC Form 733, Support Request, is all that is required to order decals and placards from the decal catalog.

NOTICE:

The Decal Design & Production Facility (DDPF) requires **nominal lead time of 30 business days to produce orders**. The lead time **excludes** weekends, holidays, and "stand-down" days. The 30 day lead time begins when the Support Request (SR) is received in the DDPF, logged and an SR number is assigned (reference figure 2.0). Requests are processed as quickly as possible, but in the event of conflicting delivery requirements, the Manager of the DDPF reserves the right to prioritize requests. Production of decals for the current flight in work always takes first priority.

All SR's for flight decals not included in this catalog must be accompanied by a released flight drawing. The released flight drawing must call out the NASA approved material part numbers and manufacturer, names of materials required and or Military Specifications.

Please be encouraged to call before making a final release drawing to confirm these numbers, names, manufacturers, and etc. If the specifications are in order, the decals will be produced, checked, and shipped within 30 business days.

For questions concerning costs of labels, contact the Manager of the DDPF at 281-283-9545.

Please keep in mind "Flight Decals are Flight Hardware" and must adhere to all flight requirements/specifications.

APPLICABLE DOCUMENTS

JPB 1700.1 H	Rev H, 2/99	JSC Safety & Health Handbook
JSC 20204	9/28/94	JSC Hazard Communication Program
JSCM 5312Q		Quality Assurance Manual
MIL-STD-810		Environmental Testing Methods and Engineering Guidelines
NSTS 5300.4(ID-2)	9/10/97	Safety, Reliability, Maintainability & Provisioning for Space Shuttle
NSTS 07700, XIV, Appendix 7, Rev J	3/29/88	System Description & Design Data for Extravehicular Activities
NSTS 22648	10/28/88	Flammability Configuration Analysis for Spacecraft Applications
SP-R-0022A	9/9/74	Vacuum Stability Requirements of Polymeric Material for Spacecraft Applications
SSP 30233	Rev E, 11/21/95	Space Station Requirements for Materials and Processes
SSP 30575	Rev A, 3/1/94	International Space Station Interior and Exterior Operational Location Coding System
SSP 41000	Rev F, 7/4/97	International Space Station System Specification
SSP 41162	Rev F, 7/4/97	United States On Orbit Segment Specification
SSP 50005	Rev B, DCN-001, 9/25/98 (NASA-STD-3000/T)	International Space Station Flight Crew Integration Standard
SSP 50006	Rev A, 11/21/95	International Space Station Internal and External Decals & Placards Specifications
SSP 50007	Rev A, 10/16/98	Space Station Inventory Management System Label Specifications
SSP 50008	Rev B, 7/23/98	International Space Station Internal Color Scheme.
SSP 50014	Rev A, 10/16/98	International Space Station Utility Coding Specifications
SSP 57000	Rev C, Appendix C, 7/8/99	ISS Payload Labeling Requirements

REFERENCE DOCUMENTS

JSC 36044	Rev. C, 8/28/96	Space Station Mission Operations Acronyms and Abbreviations
JHB 8080	2/14/96	JSC Design and Procedural Standards Manual
JSC-Spec-M1	Rev. B, 11/85	Specification Marking and Identification
NASA-STD-3000, Vol. I	Rev B, 7/95	Man-Systems Integration Standards (MSIS)
NASA-STD-60001	2/9/98	Flammability, Odor, Off-gassing, and Compatibility Requirements and Test Procedures for Materials in Environments that Support Combustion
SC-D-0001		General Specification, Metal Foil Decals
JSC 20658	Rev B, 3/92	Quality Assurance Support Plan for the Man-Systems Division
SSP 50254	Rev A, 9/18/98	Space Station Mission Operations Nomenclature
Title 29 CFR 1910.1200		Hazard Communication (OSHA Standard)

PART I

Decal Design & Production Facility (DDPF) Process

1.0 DDPF PROCESS

The purpose of the DDPF is to produce decals, placards, labels and related graphic services and materials to NASA and its contractors.

The DDPF produces decals for:
a. Space Shuttle
b. Space Station and International Partners
c. Spacehab
d. NASA equipment on Russian vehicles/Space Station.

The primary objective of the DDPF is to produce the highest quality decals and placards for the lowest possible cost. To achieve this objective, the DDPF has an active team, which constantly searches for the most efficient and effective way to produce decals.

If you require a decal not in this catalog, please consult the DDPF prior to the final design and formal release of your drawings.

All flight decals require a released flight drawing prior to decal production.

Members of the DDPF team will consult closely with each customer to determine which product will suit the specific customer needs. This helps to eliminate costly repeats, inappropriate specifications, and drawing revisions. We welcome your input and the opportunity to be of service.

Please contact the Manager of the DDPF any time: Telephone (281) 283-9545, or Fax (281) 283-9510.

The Decal Design and Production Facility is a NASA/JSC Flight Projects Division (FPD) facility providing state of the art flight certified and non-flight decals and placards for all human space programs. The DDPF works closely with the customer and various engineering groups to determine the most logical material selection for decals and placards. Occasionally the materials selected to suit a certain need may not be available in colors that are required, or a material may be preferred based on appearance but it is not suitable for EVA/IVA use or long duration. The DDPF has all flight materials tested for flight certification at the White Sands Test Facility, and is knowledgeable of appropriate materials for flight.

1.1 Capabilities and Processes

The DDPF is a unique facility that offers all decal production processes to develop flight approved "bagged and tagged" decal kits, or non-flight decals, placards, and labels, under one roof. This approach provides NASA with a safe, consistent, cost effective method to produce standard and mission unique flight and training decals of the highest quality.

1.1.1 Quality Assurance

All decals undergo at least three quality checks before release. At the technical stage, a decal is inspected against a drawing to ensure that the correct spelling, size and type of negative has been produced. Next, a technician reviews the production of the decal to prevent the occurrence of defects. The final checkpoint is the actual "bagging and tagging" stage of decal production. At this stage the decal is checked against a released drawing for flight decals, or drawings/sketches for non-flight decals, ensuring that the decal is exactly what the drawing requested. Then, the decals are placed in a sealed zip-lock bag. Flight decals are labeled with a part number, tagged according to the drawing, and placed into bonded storage.

NASA Safety Reliability Maintainability & Quality Assurance (SRM & QA) inspectors are designated within the DDPF.

1.2 DDPF Decals and Placards

The DDPF manufactures flight-certified decals and placards. Questions often arise concerning the differences between a "decal" and a "placard" in regard to their functional purpose and physical characteristics. The following descriptions will clarify the difference between these two items. In this document the term "Decal" may be used to indicate both decals and placards.

DECAL - A decal is a pliable material that contains information and/or graphics printed on a surface, which can easily conform and adhere to irregularly shaped or smooth surfaces. Examples of common materials used are paper stocks, vinyl (2 - 4 mil), polyester film, photosensitive films and nomex cloth.

Typical functions of decals include the following:

A. Instructional Decals
B. International Symbols (Radiation, Biohazard, Flammability, Caution and Warning, etc.)
C. Picture Decals (Graphically shows orientation and identification of stowed items)
D. Contents Decals (List of stowed items in lockers and trays)
E. Location Coding Decals (Identifies assigned areas within the vehicle)
F. Inventory Management System (IMS) Label
G. Logos (Directorate, Division, Department, Company, etc.)

PLACARD - A placard is a rigid panel that contains information and/or graphics printed on its surface which is either adhered or fastened to a flat, smooth surface. Placard panels can be die cut, embossed, and "reverse printed" on the back of the panel, depending on the type of material used for manufacturing . The materials most commonly used on this type of placard are lexan, acrylic, and polyester based transparent films. Other materials such as aluminum, sheet metals, stainless steel, and various plastics can be used to manufacture placards for more harsh environments.

Typical Functions of Placards include the following:

A. Overlay Panels (Die cut, containing nomenclature and graphics for control panels)
B. Close Out Panels (Contain graphics and nomenclature and closes out access to specific areas, e.g. nonfunctional switches on a switch panel)
C. Location Coding on the exterior of the Transverse Truss Assembly
D. Signs (Instruction, Orientation and Identification)
E. Mock-up and Training Placards (High Fidelity, Full Color Placard Panels to represent accurately Space Station Rack components and hardware for evaluation)
F. Pressure Sensitive Membrane Switch Panel

1.2.1 Permanent Decals

Permanent decals are designed for long duration service. Therefore, they are not easily removed and may be destroyed in the attempt.

1.2.2 Temporary Decals

Temporary decals may be a decal that rests on top of another, as is the case on a can of film. When the top decal is removed, the bottom decal reading (exposed) is then visible.

2.0 INITIATING SERVICES FOR DECALS AND PLACARDS

2.1 Figure 2-1 below depicts how customers can initiate production of decals and placards.

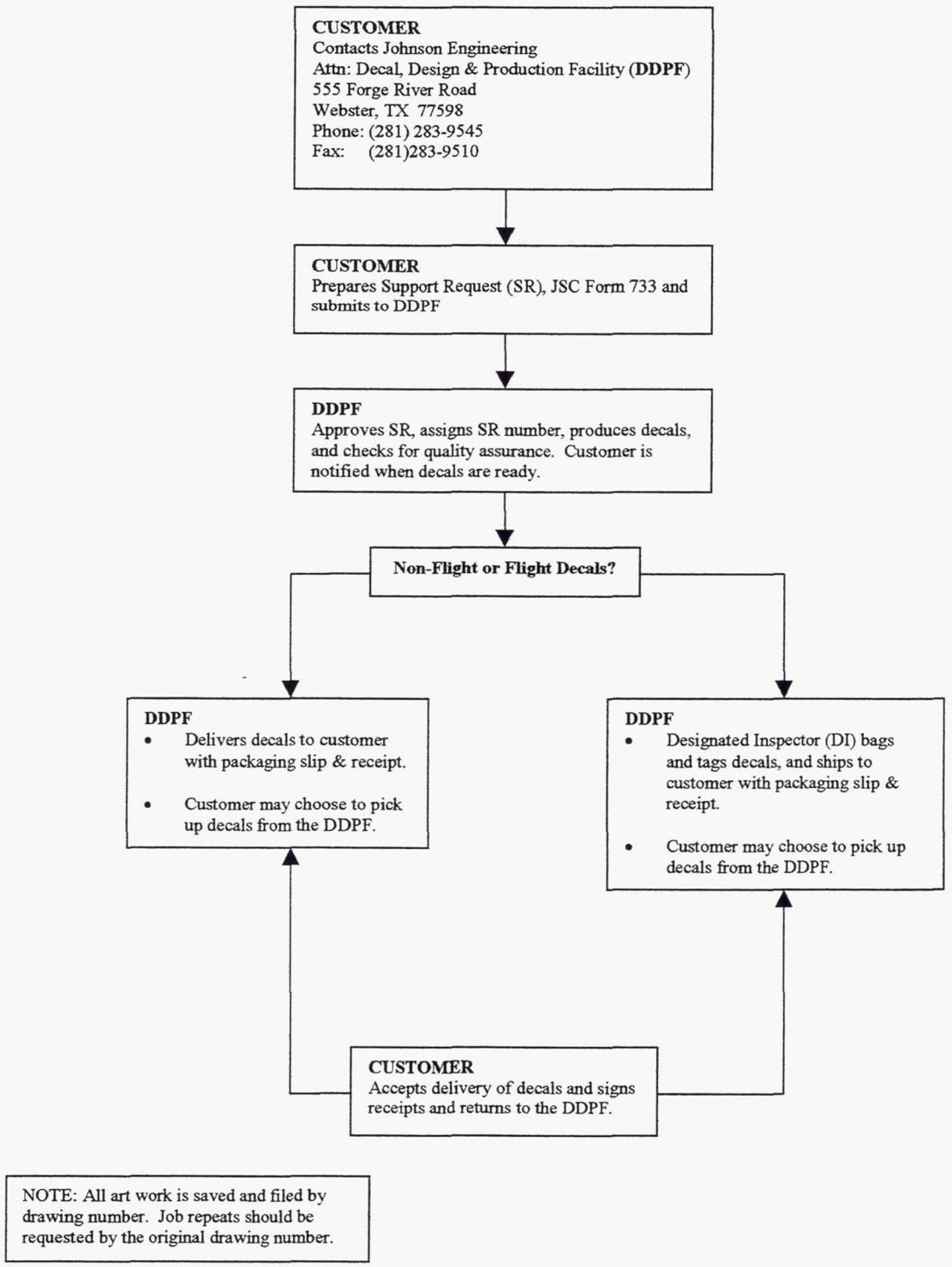


Figure 2-1 Initiating Services for Decal Production

2.1.1 DDPF Catalog Decals (Flight and Non-Flight)

If decals are for flight, then a released flight drawing is required prior to production. However, if a client can use a standard decal from Part II of this document (the Decal Catalog), no drawing is required. Its presence here indicates that the drawing is already on file at the DDPF. In either case, the client shall be responsible for ensuring the proper lead time for decal orders to meet hardware production schedules.

This lead time is defined as follows: The client shall identify on JSC Form 733 the required Government Furnished Material (GFM), including quantities, their respective delivery dates, and destinations, **30 working days, (about 6 calendar weeks)** in advance of need. In addition, the client shall provide engineering drawings (in the case of flight decals not in this DDPF Catalog) in advance of the need date.

2.1.2 Non-Flight Decals and Placards

Non-flight decals require the following to process:

a. DDPF Support Request (Form 733)
b. Fabrication drawing or sketch of desired decal.

2.1.3 Flight Decals and Placards

Flight "Decals" that are not identified in this catalog require a hardware developer to:

a. Release a flight engineered fabrication drawing(s)
b. Complete a DDPF Support Request (JSC Form 733)

3.0 ISS PAYLOAD LABEL APPROVAL PROCESS FLOW

This section describes the process and flow for approval of all ISS payload labels. All ISS payloads are required to have Flight Projects Division (FPD) (formerly Flight Crew Support Division) (FCSD) verify payload label designs against the Human Factors Engineering (HFE) labeling requirements in SSP 57000 Appendix C. Figure 3-1 depicts the ISS Payload Label Approval Process flow.

3.1 Early Coordination and Format Label Evaluations

At the start of the process, the payload developer and FPD begin coordinating with one another. FPD provides information about the label approval process and answers questions regarding the requirements. The payload developer provides FPD with basic information about the payload, and proposed label designs in the form of *pre-released* engineering drawings. FPD will perform a Formal Label Evaluation of proposed label designs. The Formal Label Evaluation, in the form of a requirements checklist, will be returned to the developer. The developer will then adjust label designs per FPD's recommendations in the checklist, and/or propose additional or alternate solutions to requirements violations. It is at this stage of the process where the bulk of the work, in terms of label design corrections, should occur, because the cost of changing should be minimal. Note: FPD suggests developers request formal label evaluations before engineering drawings are officially released, because the cost (in time and dollars) to make final changes to the labels will be higher after the drawings are released.

3.2 Final Acceptance of Payload Labels

Once the payload's design has matured to the point where engineering drawings are released, the developer should request final acceptance of their labels from FPD. The developer will supply FPD with the *released* engineering drawings. The goal of the process is that, if the developer has been working with FPD early on, as described above, no changes should be needed to correct requirements violations at this late stage.

FPD will deliver the Final Disposition Form (Form # TBD) to the developer. The signed Form TBD is the formal record of whether or not the labels are approved. If there are still serious requirements violations, the developer will either correct the problems and re-submit updated drawings to FPD, or they can request a waiver via the ISS Payload Office (OZ3) PIRN Technical Review (PTR) board for final disposition.

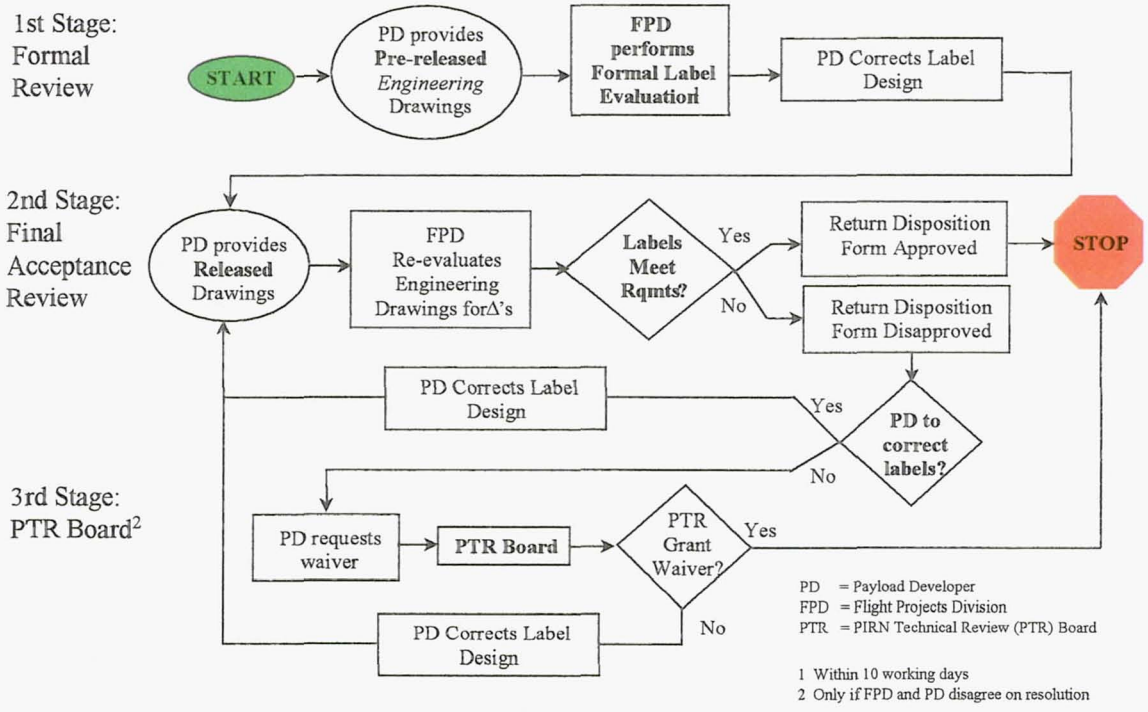


Figure 3-1 ISS Payload Label Approval Process Flow

4.0 IMS LABEL PROCESS FLOW

This section describes the process and flow for development of Inventory Management System (IMS) labels. This includes 1) the DDPF role in the fabrication of the IMS Labels as they are requested by the hardware supplier through the Inventory Integrated Product Team (IPT), and 2) the related procedures to issue and track the IMS label numbers (including human readable codes). Figure 4-1, depicts the IMS issuance and tracking scheme. The procedures below are based upon these flow paths.

As noted in SSP 50007, ISS Inventory Management Label Specification Document, and as depicted in Figure 4-1, it is the responsibility of the hardware provider or hardware packer to assure that the IMS label is placed on each hardware item.

4.1 IMS Bar Code Label Production

The IMS bar code labels will be fabricated per the requirements contained in SSP 50007 and with the order information provided by the hardware supplier or ISS Operations Office on JSC Form 733. The standards for printing operational nomenclatures on labels must be strictly observed. The ISS Operations Office, Logistics and Maintenance, Inventory Management System activity IMS Database Manager will issue and track the IMS numbers issued to ensure no duplicate numbers are assigned and for configuration management of the IMS labels including assuring correct operational nomenclature.

4.2 IMS Number Selection

The hardware suppliers shall contact the IMS database manager prior to ordering the labels to select available IMS numbers. This includes all sequential numeric "generic" numbers as well as optional alphanumeric "smart" numbers.

4.3 IMS Number Review

The ISS Operations Office IMS number database manager shall maintain the IMS database such that assigned numbers are clearly identified as such in the master IMS number data file. If there is any conflict with requested IMS numbers, the IMS number database manager will notify the requester immediately for corrective action.

4.4 Ordering IMS Labels from the DDPF

All requests for IMS labels must be routed through the ISS Operations Office IMS number database manager (OC2) for number assignment/approval. Any requests for IMS labels that have not been approved by the ISS Operations Office IMS number database manager will be returned to the requester. The IMS number database manager will forward the approved JSC Form 733 to the DDPF for scheduling, production, and assignment of DDPF Support Request numbers. IMS label specifications are included in Part II of this catalog.

4.5 DDPF IMS Bar Code Label Production

The Decal Design and Production Facility (DDPF) shall fabricate the labels and ship them to the user or hold for customer pick-up. Once the JSC Form 733 is logged in, the typical DDPF turnaround time will be 30 working days. **The IMS bar code label requester shall be responsible for ensuring the proper lead-time for IMS bar code label orders to meet hardware production or packing schedules.** See figure 4-1.

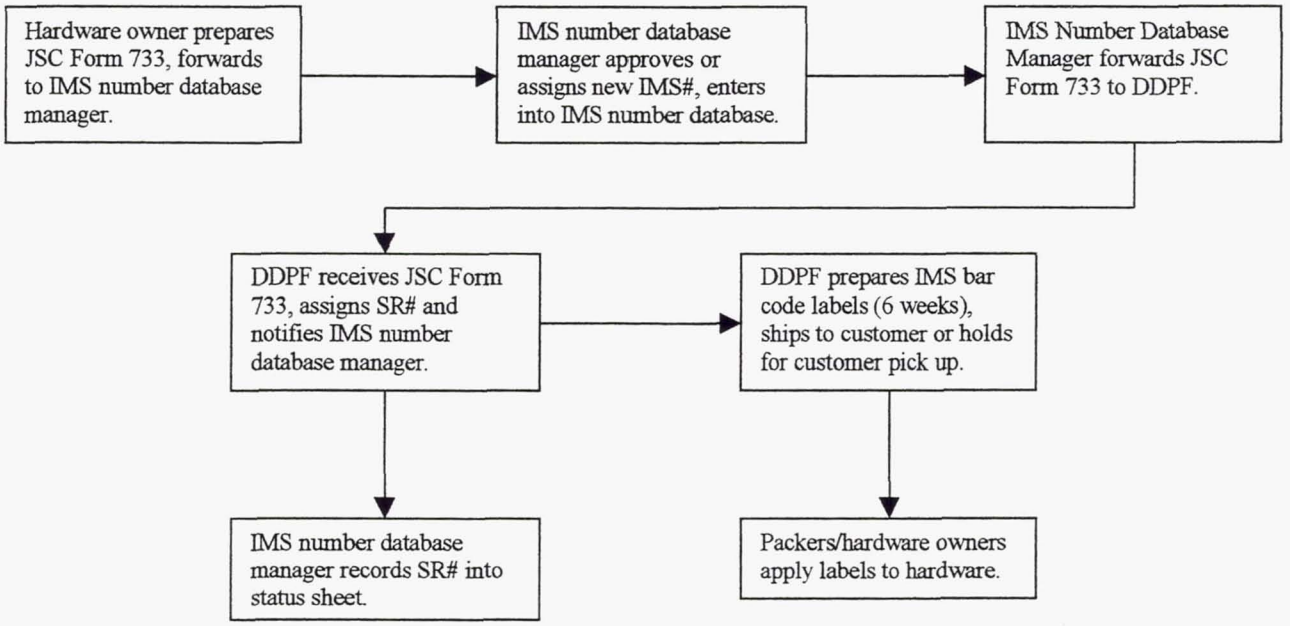


Figure 4-1 IMS Bar Code Label Request Process Flow

5.0 MATERIAL REQUIREMENTS FOR FLIGHT DECALS AND PLACARDS

Flight decals and placards fabricated by the DDPF shall meet the requirements of SSP 30233 Rev.E. "Space Station Requirements for Materials and processes" as implemented by JSC 27301 "Materials Control plan for JSC Space Station GFE".

The materials used to fabricate flight decals and placards shall be evaluated for flammability, toxic offgassing, odor, and fungus resistance for use in the habitable volumes (IVA). Also, for thermal vacuum stability for uses with short-term low earth orbit (LEO) exposure (less than 180 days), and for thermal vacuum stability, atomic oxygen and ultraviolet resistance, and thermal cycling for uses with long term LEO exposure (greater than 180 days).

NOTE: For a list of Decal or Placard Materials for Low Earth Orbit Exposure (LEO)/EVA applications, refer to section 5.2.1.2 and 5.2.1.3 of this document.

5.1 Specific Material Requirements For Decals and Placards

5.1.1 IVA

5.1.1.1 Flammability (Flam)

Flight decals and placards shall be fabricated from materials that are "A" rated for flammability for applicable oxygen concentration for the pressurized volume in which the flight decal or placard is to be located.

A material is rated "A" for flammability when that material meets the test criteria of NHB 8060.1 Test 1.

If "A" rated materials cannot be used, then the configuration as assessed for flammability per NSTS 22648 shall not allow a fire to propagate beyond six (6) inches. Otherwise, approval of a Material Usage Agreement shall be required.

Flight decals/placards made of non "A" rated materials, but in configuration meet any one of the following conditions are considered acceptable per NSTS 22648 and do not require a Material User Agreement:

MATERIALS REQUIREMENTS

1. Decal or placard with a maximum dimension of less than six (6) inches and separated by a minimum of two (2) inches from other flammable decals or hook or loop fastener materials.

2. Decal or placard of any length or width for which the entire surface area is applied flush to the surface of a bare or inorganic coated (including anodized) metallic substrate that is at least 0.0030" inches thick.

3. Decal attached to a highly curved surface such as a pipe, which meets the size and placement restrictions of six (6) inch maximum dimension along the length of the pipe (circumference dimension is unrestricted) and two (2) inch separation both along the length of the pipe and with respect to the decals adjacent pipes.

4. Decal attached to a small diameter pipe where the decal is wrapped around the diameter with the excess decal material, extending beyond the surface of the pipe itself, covered completely with a nonflammable tape such as FEP Teflon tape.

NOTE: If unable to control the overall configuration of flammable decals in any area where they are installed, flight decals and placards shall be made from only "A" rated materials.

5.1.1.2 Odor (ODOR)

Flight decals and placards shall be fabricated from materials that have an odor rating of less than 2.5 when tested per NHB 8060.1C Test 6.

5.1.1.3 Toxic Offgassing (TOX)

Flight decals and placards shall be fabricated from materials that are "A" rated or better for toxic offgassing.

A material is rated "A" for toxic offgassing when that material has a t-value of less than 0.5 for a ten pound quantity when tested per NHB 8060.1C Test 7.

Toners and developers used in the Xerographic process are exempted from testing for offgassing by EM2/Materials and Failure Analysis Branch, with the concurrence of the JSC toxicologist, because of the benign nature of all toners and developers previously tested for toxic offgassing.

5.1.1.4 Fungus (FUNGUS)

Flight decals or placards with exposed materials that are fungus nutrient as defined by MIL-STD-810, Method 508 shall be restricted to those applications that have adequate ventilation and lighting, and easy accessibility.

5.1.1.5 Polyvinyl Chloride (PVC)

Flight decals or placards made from polyvinyl chloride shall be restricted to those applications where the maximum temperature is less than 120 degrees F.

NOTES:
1. PVC is also fungus nutrient and should be restricted to those applications that have adequate ventilation and lighting, and easy accessibility.

2. PVC is also flammable and should be restricted from those applications where the overall configuration can be controlled in accordance with 5.1.1.1.

5.1.2 LEO Exposure

5.1.2.1 Thermal Vacuum Stability (TVS):

Flight decal and placard materials that are exposed to LEO shall be "A" rated for Thermal Vacuum Stability or meet the requirements of SP-R-0022A, "Vacuum Stability Requirements of Polymeric Materials for Spacecraft Application", in configuration.

A material is rated "A" for Thermal Vacuum Stability when that material has Volatile Condensable Material content less than 0.1% and a total mass loss (minus Water Vapor Recovery) less than 1.00% when tested per SP-R-0022A.

5.1.2.2 Atomic Oxygen and Ultraviolet (AO/UV)

Flight placard and decal materials that are exposed long term to the LEO environment shall be resistant to degradation when exposed to a ram atomic oxygen fluence of 5.0 X10E21 atoms per square centimeter per year for the on-orbit exposure duration. They shall also be resistant to degradation from ultraviolet radiation.

5.1.2.3 Thermal Cycling (TC)

Flight decal and placard materials including adhesives that are exposed long term to the LEO environment shall maintain their functional properties when exposed to cycles of the extreme hot and cold thermal environment expected for the International Space Station.

5.2 Evaluation of Flight Decal and Placard Materials

The following materials have been reviewed and evaluated as indicated by EM2/Materials and Failure Analysis Branch for use in fabricating flight decals and placards.

5.2.1 Base Decal or Placard Materials

The base decal or placard material is that part of its assembly, upon which the decal or placard graphic is imposed.

5.2.1.1 Preferred Choice of Decal or Placard Base Material for IVA Applications:

When choosing a base material, both function and material requirements must be considered. The following list is a compilation of available base materials in alphabetical order:

1. Aluminum, photosensitive (Metalphoto, Dye-N-Seal, ultra color)
2. Nomex (HT 90-40, HT10-41)
3. Polycarbonate (Lexan 8A35-110, 8A13-112)
4. Polycarbonate laminated photosensitive polyester 3M or NASA approved equivalent (with labelguard 3M# 821)
5. Polycarbonate (Lexan) laminated paper {Hammermill or Canon laser color, or JCP K-10, etc. laminated with 3M# 8021}
6. Polyester, photosensitive (Helioscan, Anitec image setter paper)
7. Vinyl (GERBER Scotchcal 220, MACTAC Starliner)—See PVC restriction of section 4.1.1.5

5.2.1.2 Preferred Choice of Decal or Placard Base Material for EVA Applications:

EVA Shuttle:

1. Nomex
2. Lexan
3. Metalphoto (photosensitive)
4. Aacron Backplate (Color-Black and Yellow, anodized)

NOTE: Nomex must be printed with #4500 series ink, and Lexan must be printed with #9900 series ink (or NASA approved equivalent) and the adhesive is to be 3M#Y-9469 or 3M#966 (or NASA approved equivalent).

EVA Station:

1. Metalphoto (photo sensitive)
2. Aacron Backplate (Color-Black and Yellow, anodized)

NOTE: All of the above will use adhesive 3M#966 (or NASA approved equivalent).

5.3 Preparation of Surface

The smoother the host surface, the better the decal will look. Clean the host surface well to remove dirt, grease, dust, moisture, films or any other such thing that might weaken the adhesive.

5.4 Application

To apply the decal, first align and place the decal with the adhesive protection intact. Make some kind of removable marks for guides. Peel the backing partially. Tack a corner of the exposed adhesive carefully using your previously measured marks. Make sure not to wrinkle the surface of the decal. If you are sure that you are aligned to the marks, tack down the whole side of which the corner is already in place. Pulling the backing as evenly as possible so as to avoid creases or wrinkles, rub the top of the decal with your hand or a roller, being careful to avoid leaving air bubbles under the surface.

NOTE:
The customer is responsible for ensuring that enough space is available to host the decal being ordered.

PART II

Decal Design & Production Facility Catalog

6.0 PURPOSE OF THE DDPF CATALOG

The purpose of the DDPF Catalog is to provide a selection of decals from which the NASA and NASA contractor customers can easily order. The decals shown in the following pages have been previously produced and have released engineering/fabrication drawings on file in the DDPF. A released drawing is necessary before a decal can be produced or placed into the catalog.

Some decals selected here have a common applicability and are used in various NASA vehicles/habitats. It is the intent of the DDPF to maintain this catalog as a "living document" to which decals/placards can be added as they are repeatedly used.

For new decals not in this catalog, a released engineering/fabrication drawing must be provided to the DDPF file for flight decals. This is a flight requirement.

Please be encouraged to consult the DDPF prior to the final design and formal release of your drawings. All flight decals require a reference to a formally released drawing to satisfy quality control mandates.

The Manager of the DDPF, may be reached at: Telephone (281) 283-9545 or Fax (281) 283-9510.

Decal/Placard Colors are slightly altered in this catalog due to color reproduction. Colors may vary slightly due to manufacture dye lots.

DDPF reserves the right to adjust decal and placard colors to a NASA approved equivalency due to restrictions caused by various manufacturing practices.

Please call (281) 283-9545 for material samples.

7.0 Flight Certified Decals & Placards

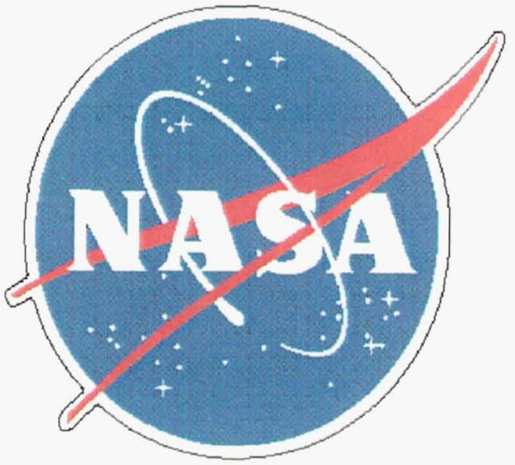
7.1 Logos and Flags
7.2 Miscellaneous Standard Decals
7.3 Caution/Warning Decals
7.4 Miscellaneous Template Decals
7.5 Pocket Assembly Decals
7.6 Payload Cable Labels
7.7 IMS Labels

7.1 Logos and Flags

- NASA Logo, IVA
- Canada Logo, IVA
- ESA Logo, IVA
- NASDA Logo, IVA
- RSA Logo, IVA
- American Flag, IVA
- Russian Flag, IVA

Decal, NASA Logo; IVA

Drawing Number	Dimension Diameter	Material	Restrictions
SDG32104810-001	4.00"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104810-002	3.00"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104810-003	2.00"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104810-004	4.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104810-005	3.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104810-006	2.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104810-007	4.00"	Nomex	Short Term Low Earth Orbit Exposure
SDG32104810-008	3.00"	Nomex	Short Term Low Earth Orbit Exposure
SDG32104810-009	2.00"	Nomex	Short Term Low Earth Orbit Exposure
SDG32104810-010	4.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104810-011	3.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104810-012	2.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride



The official emblem of the National Aeronautics and Space Administration of America (NASA). This emblem is available on laminated direct screen print Vinyl, reverse screen print Lexan (with adhesive), Nomex, and laminated Scotchcal 220.

Page intentionally left blank

Decal, ESA Logo; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32104812-001	5.50"	2.13"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104812-002	3.75"	1.43"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104812-003	2.50"	1.00"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104812-004	5.50"	2.13"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104812-005	3.75"	1.43"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104812-006	2.50"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104812-007	5.50"	2.13"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104812-008	3.75"	1.43"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104812-009	2.50"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104812-010	5.50"	2.13"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104812-011	3.75"	1.43"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104812-012	2.50"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride

The official emblem of the Space Administration of Europe (ESA). This emblem is available on laminated direct screen print Vinyl, reverse screen print Lexan (with and without adhesive), and laminated Scotchcal 220.

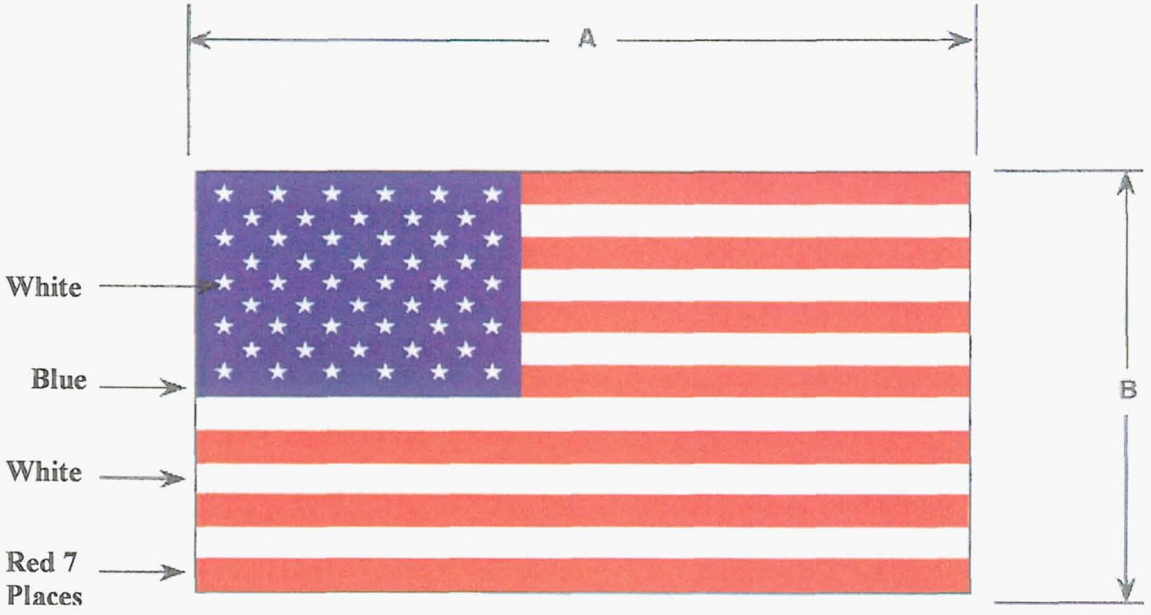
Page intentionally left blank

Decal, RSA Logo; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32104813-001	5.50"	3.25"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104813-002	3.75"	2.12"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104813-003	2.50"	1.50"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104813-004	5.50"	3.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104813-005	3.75"	2.12"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104813-006	2.50"	1.50"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104813-007	5.50"	3.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104813-008	3.75"	2.12"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104813-009	2.50"	1.50"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104813-010	5.50"	3.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104813-011	3.75"	2.12"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104813-012	2.50"	1.50"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride

The official emblem of the Russian Space Administration (RSA). This emblem is available on laminated direct screen print Vinyl, reverse screen print Lexan (with and without adhesive), and laminated Scotchcal 220.

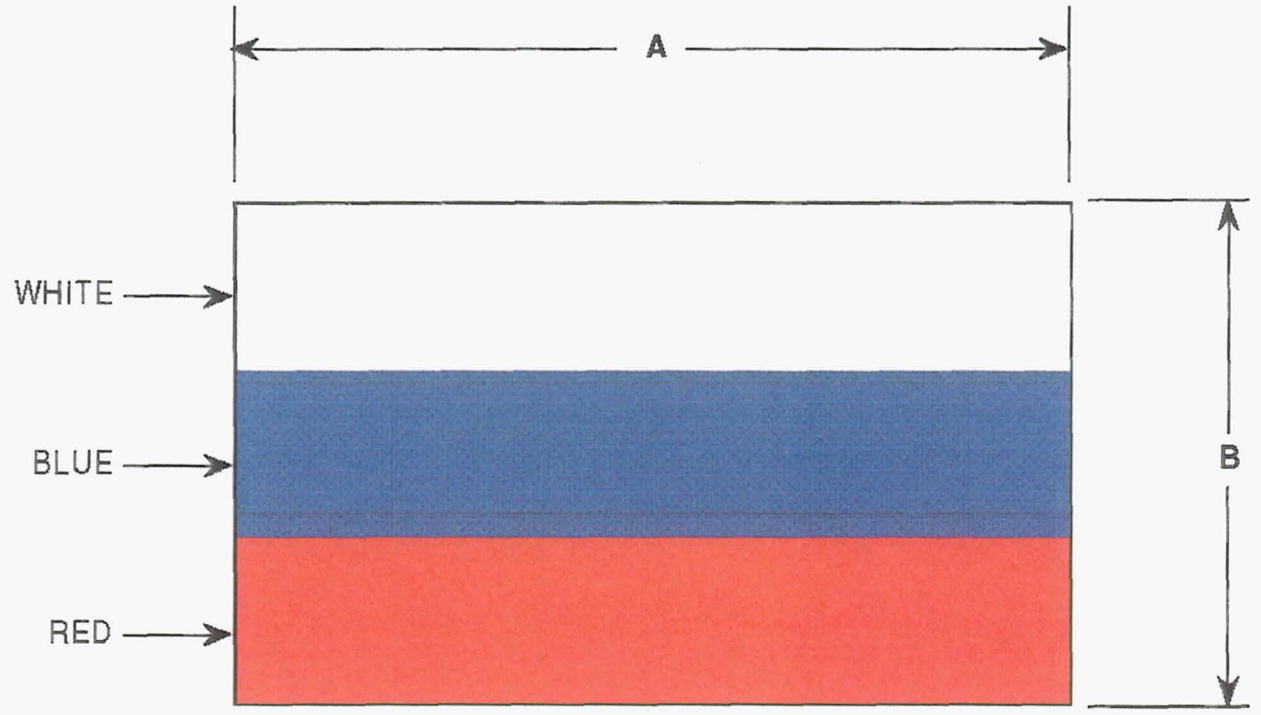
Decal, American Flag; IVA



Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDD32100402-001	6.5"	3.8"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDD32100402-002	10.0"	5.8"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDD32100402-003	20.5"	11.5"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDD32100402-004	6.5"	3.8"	Nomex	Short Term Low Earth Orbit Exposure
SDD32100402-005	10.0"	5.8"	Nomex	Short Term Low Earth Orbit Exposure
SDD32100402-006	20.5"	11.5"	Nomex	Short Term Low Earth Orbit Exposure

This is the official flag of the United States of America. This label is available on reverse screen print Lexan and Nomex. Flammability restriction applies to this decal. Usage must be in accordance with paragraph 5.1.1.1, condition 2.

Decal, Russian Flag; IVA



Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDD32105731-001	6.5"	3.8"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDD32105731-002	10.0"	5.8"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDD32105731-003	20.5"	11.5"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDD32105731-004	6.5"	3.8"	Nomex	Short Term Low Earth Orbit Exposure
SDD32105731-005	10.0"	5.8"	Nomex	Short Term Low Earth Orbit Exposure
SDD32105731-006	20.5"	11.5"	Nomex	Short Term Low Earth Orbit Exposure

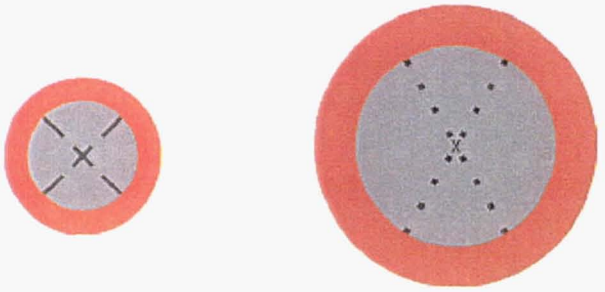
This is the official flag of Russia. This label is available reverse screen print Lexan and Nomex. Flammability restriction applies to this decal. Usage must be in accordance with paragraph 5.1.1.1, condition 2.

7.2 Miscellaneous Standard Decals

- **Fire Hole, IVA**
- **Biohazard Crew Interface Analysis, IVA**
- **Recycle, IVA**
- **Flame, IVA**
- **Potable Water, IVA**
- **Waste Water, IVA**
- **Emergency Exit Space Station, IVA**
- **Portable Fire Extinguisher, IVA**
- **Portable Breathing Apparatus, IVA**
- **Rack Maintenance Switch, IVA**
- **Hazardous/Nonhazardous Logo, IVA**
- **Next Handrail (HR) Identification, EVA**
- **Translation Path Dead End Identification, EVA**
- **Truss Segment Identification, EVA**
- **Return To Airlock, EVA**
- **Slidewire Mounting Location Label, EVA**
- **Zeus Quarter Turn Fastener Instructional Label, EVA**

Decal, Fire Hole; IVA

Drawing Number	Diameter/ Thickness	Material	Restrictions
SDD32100397-001	0.74"/10 mil	Lexan & Adhesive(467)	Short Term Low Earth Orbit Exposure, Flammability
SDD32100397-002	1.40"/15 mil	Lexan & Adhesive(467)	Short Term Low Earth Orbit Exposure, Flammability
SDD32100397-003	0.74"/10 mil	Lexan & Adhesive(966)	Short Term Low Earth Orbit Exposure, Flammability
SDD32100397-004	1.40"/15 mil	Lexan & Adhesive(966)	Short Term Low Earth Orbit Exposure, Flammability



Fire hole decals are produced from 10 mil (–001 & -003) or 15 mil (-002 &-004) reverse screen print Lexan, red/gray, and come with either 3M No. 467 or 3M No. 966 adhesive backing. These are placed on panels. They are perforated (represented by black dash lines) for piercing in the event of a fire behind the panel. This opening allows access of a fire extinguisher nozzle.

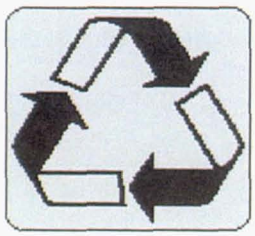
Decal, Biohazard Crew Interface Analysis; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDD39124182-001	2.20"	2.90"	Scotchcal 210-414	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDD39124182-002	1.10"	1.45"	Scotchcal 210-414	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDD39124182-003	0.75"	1.00"	Scotchcal 210-414	IVA Only, Flammability, Fungus, Polyvinyl Chloride

This internationally accepted label is available in red orange (nomenclature, symbol, and border) on black (background), produced on laminated Scotchcal 210-414.

Decal, Recycle; IVA

Drawing Number	Diameter Square	Material	Restrictions
SDG32104807-001	1.50"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104807-002	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104807-003	1.50"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104807-004	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104807-005	1.50"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104807-006	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride



This internationally accepted symbol is available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

Decal, Flame; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32104815-001	1.00"	1.50"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104815-002	0.70"	1.00"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104815-003	1.00"	1.50"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104815-004	0.70"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104815-005	1.00"	1.50"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104815-006	0.70"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104815-007	1.00"	1.50"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104815-008	0.70"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride

This internationally accepted symbol represents a condition of possible flammability and is available on laminated direct screen print Vinyl, reverse screen print Lexan (with and without adhesive), and laminated Scotchcal 220.

Decal, Potable Water; IVA

Drawing Number	Dimension Diameter	Material	Restrictions
SDG32104816-001	1.00"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104816-002	0.50"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104816-003	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104816-004	0.50"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104816-005	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104816-006	0.50"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104816-007	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104816-008	0.50"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride

This internationally accepted symbol represents pure drinkable water and is available on laminated direct screen print Vinyl, reverse screen print Lexan (with and without adhesive), and laminated Scotchcal 220.

Decal, Waste Water; IVA

Drawing Number	Dimension Diameter	Material	Restrictions
SDG32104817-001	1.00"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104817-002	0.50"	Starliner Vinyl	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104817-003	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104817-004	0.50"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104817-005	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104817-006	0.50"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104817-007	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104817-008	0.50"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride

This internationally accepted symbol represents contaminated water - unfit for consumption and is available on laminated direct screen print Vinyl, reverse screen print Lexan (with and without adhesive), and laminated Scotchcal 220.

Decal, Emergency Exit Space Station; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32104808-001	5.00"	4.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104808-002	3.38"	2.75"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104808-003	5.00"	4.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104808-004	3.38"	2.75"	Lexan	Short Term Low Earth Orbit Exposure, Flammability

This label is available in red (text and stripes) and white (background) and is available on reverse screen print Lexan (with and without adhesive).

Decal, Fire Extinguisher; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32104809-001	5.00"	4.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104809-002	3.38"	2.75"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104809-003	5.00"	4.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104809-004	3.38"	2.75"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104809-005	5.00"	4.00"	Nomex	Short Term Low Earth Orbit Exposure
SDG32104809-006	3.38"	2.75"	Nomex	Short Term Low Earth Orbit Exposure

This label is available in red (text and stripes) and white (background) and is available on reverse screen print Lexan (with and without adhesive) and Nomex.

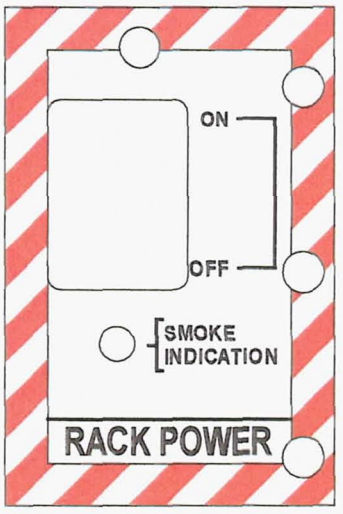
Decal, Portable Breathing Apparatus; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105091-001	5.00"	4.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105091-002	3.38"	2.75"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105091-003	5.00"	4.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105091-004	3.38"	2.75"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105091-005	5.00"	4.00"	Nomex	Short Term Low Earth Orbit Exposure
SDG32105091-006	3.38"	2.75"	Nomex	Short Term Low Earth Orbit Exposure

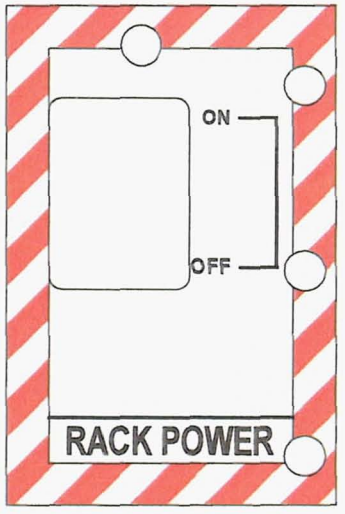
This label is available in red (text and stripes) and white (background) and is available on reverse screen print Lexan (with and without adhesive) and Nomex.

Decal, Rack Maintenance Switch; IVA

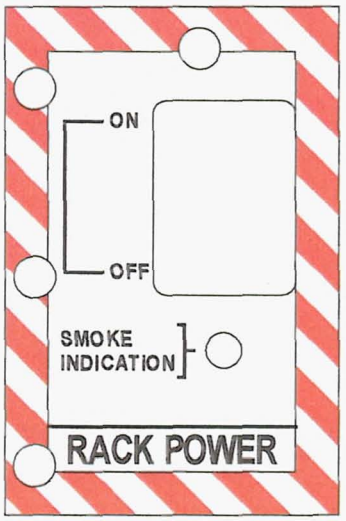
Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105718-001	3.08"	4.69"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105718-002	3.08"	4.69"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105718-003	3.08"	4.69"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105718-004	3.08"	4.69"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105718-005	0.40"	1.70"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride



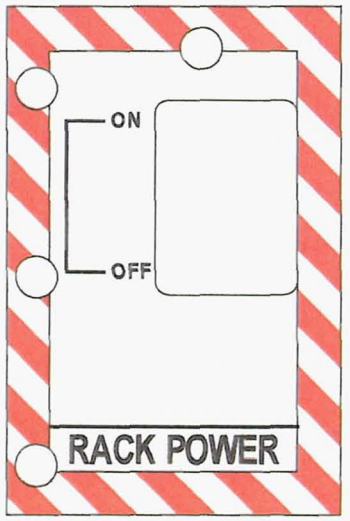
-001



-002



-003



-004

-005

This red/white striped placard is used over the rack power switch cover plate to identify proper switch position for rack power. It is made of reverse screen print Lexan. The placard has scotch 966 adhesive on the back, which affixes it to the rack power switch cover plate on the rack. A small laminated Scotchcal 220 label (SDG32105718-005) must be placed over the on/off portion of the placard to indicate proper switch position for existing switch software. SDG32105718-005 is to be used prior to Flight 8A and is not applicable for Flight 8A and subsequent flights.

Decal, Hazardous/Nonhazardous Logo; IVA

These decals are available on reverse screen print Lexan (with adhesive), Gerber Scotchcal Vinyl, Nomex, and Hammermill color copy paper. Hazardous and nonhazardous decals are used to identify materials that pose a potential threat to the user. There are 5 different levels and colors of this decal: Level 0 (green), Level 1 (blue), Level 2 (yellow), Level 3 (orange), and Level 4 (red). Level 0 green decals are identified as "nonhazardous". Level 1 is "hazardous", leading all the way up to Level 4 decals, which are very hazardous.

Drawing Number	Dimension		Material	Level	Field Color
	Length	Height			
SKD39123122-001	2.40"	1.90"	Vinyl	0	Pantone Green 347C
SKD39123122-009	2.40"	1.90"	Vinyl	1	Pantone Blue 300C
SKD39123122-017	2.40"	1.90"	Vinyl	2	Pantone Yellow 012C
SKD39123122-025	2.40"	1.90"	Vinyl	3	Pantone Orange 021C
SKD39123122-033	2.40"	1.90"	Vinyl	4	Pantone Red 199C
SKD39123122-041	2.40"	1.90"	Lexan	0	Pantone Green 347C
SKD39123122-049	2.40"	1.90"	Lexan	1	Pantone Blue 300C
SKD39123122-057	2.40"	1.90"	Lexan	2	Pantone Yellow 012C
SKD39123122-065	2.40"	1.90"	Lexan	3	Pantone Orange 021C
SKD39123122-073	2.40"	1.90"	Lexan	4	Pantone Red 199C
SKD39123122-171	2.40"	1.90"	Vinyl	0	Kelly Green
SKD39123122-179	2.40"	1.90"	Vinyl	1	Sapphire Blue
SKD39123122-187	2.40"	1.90"	Vinyl	2	Bright Yellow
SKD39123122-195	2.40"	1.90"	Vinyl	3	Bright Orange
SKD39123122-203	2.40"	1.90"	Vinyl	4	Cardinal Red
SKD39123122-131	2.40"	1.90"	Nomex	0	Pantone Green 347C
SKD39123122-139	2.40"	1.90"	Nomex	1	Pantone Blue 300C
SKD39123122-147	2.40"	1.90"	Nomex	2	Pantone Yellow 012C
SKD39123122-155	2.40"	1.90"	Nomex	3	Pantone Orange 021C
SKD39123122-163	2.40"	1.90"	Nomex	4	Pantone Red 199C
Drawing Number	**Dimension**		**Material**	**Level**	**Field Color**
	Length	**Height**			
SKD39123122-003	1.80"	1.43"	Vinyl	0	Pantone Green 347C
SKD39123122-011	1.80"	1.43"	Vinyl	1	Pantone Blue 300C
SKD39123122-019	1.80"	1.43"	Vinyl	2	Pantone Yellow 012C
SKD39123122-027	1.80"	1.43"	Vinyl	3	Pantone Orange 021C
SKD39123122-035	1.80"	1.43"	Vinyl	4	Pantone Red 199C
SKD39123122-043	1.80"	1.43"	Lexan	0	Pantone Green 347C
SKD39123122-051	1.80"	1.43"	Lexan	1	Pantone Blue 300C
SKD39123122-059	1.80"	1.43"	Lexan	2	Pantone Yellow 012C
SKD39123122-067	1.80"	1.43"	Lexan	3	Pantone Orange 021C
SKD39123122-075	1.80"	1.43"	Lexan	4	Pantone Red 199C
SKD39123122-173	1.80"	1.43"	Vinyl	0	Kelly Green
SKD39123122-181	1.80"	1.43"	Vinyl	1	Sapphire Blue
SKD39123122-189	1.80"	1.43"	Vinyl	2	Bright Yellow
SKD39123122-197	1.80"	1.43"	Vinyl	3	Bright Orange
SKD39123122-205	1.80"	1.43"	Vinyl	4	Cardinal Red
SKD39123122-135	1.80"	1.43"	Nomex	0	Pantone Green 347C
SKD39123122-143	1.80"	1.43"	Nomex	1	Pantone Blue 300C
SKD39123122-151	1.80"	1.43"	Nomex	2	Pantone Yellow 012C
SKD39123122-159	1.80"	1.43"	Nomex	3	Pantone Orange 021C
SKD39123122-167	1.80"	1.43"	Nomex	4	Pantone Red 199C

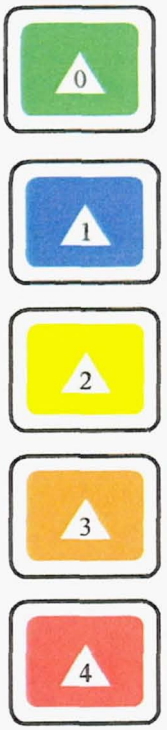
Decal, Hazardous/Nonhazardous Logo; IVA (continued)

Drawing Number	Dimension		Material	Level	Field Color
	Length	Height			
SKD39123122-005	1.45"	1.15"	Vinyl	0	Pantone Green 347C
SKD39123122-013	1.45"	1.15"	Vinyl	1	Pantone Blue 300C
SKD39123122-021	1.45"	1.15"	Vinyl	2	Pantone Yellow 012C
SKD39123122-029	1.45"	1.15"	Vinyl	3	Pantone Orange 021C
SKD39123122-037	1.45"	1.15"	Vinyl	4	Pantone Red 199C
SKD39123122-045	1.45"	1.15"	Lexan	0	Pantone Green 347C
SKD39123122-053	1.45"	1.15"	Lexan	1	Pantone Blue 300C
SKD39123122-061	1.45"	1.15"	Lexan	2	Pantone Yellow 012C
SKD39123122-069	1.45"	1.15"	Lexan	3	Pantone Orange 021C
SKD39123122-077	1.45"	1.15"	Lexan	4	Pantone Red 199C
SKD39123122-175	1.45"	1.15"	Vinyl	0	Kelly Green
SKD39123122-183	1.45"	1.15"	Vinyl	1	Sapphire Blue
SKD39123122-191	1.45"	1.15"	Vinyl	2	Bright Yellow
SKD39123122-199	1.45"	1.15"	Vinyl	3	Bright Orange
SKD39123122-207	1.45"	1.15"	Vinyl	4	Cardinal Red
SKD39123122-135	1.45"	1.15"	Nomex	0	Pantone Green 347C
SKD39123122-143	1.45"	1.15"	Nomex	1	Pantone Blue 300C
SKD39123122-151	1.45"	1.15"	Nomex	2	Pantone Yellow 012C
SKD39123122-159	1.45"	1.15"	Nomex	3	Pantone Orange 021C
SKD39123122-167	1.45"	1.15"	Nomex	4	Pantone Red 199C
Drawing Number	**Dimension**		**Material**	**Level**	**Field Color**
	Length	**Height**			
SKD39123122-007	0.84"	0.67"	Vinyl	0	Pantone Green 347C
SKD39123122-015	0.84"	0.67"	Vinyl	1	Pantone Blue 300C
SKD39123122-023	0.84"	0.67"	Vinyl	2	Pantone Yellow 012C
SKD39123122-031	0.84"	0.67"	Vinyl	3	Pantone Orange 021C
SKD39123122-039	0.84"	0.67"	Vinyl	4	Pantone Red 199C
SKD39123122-047	0.84"	0.67"	Lexan	0	Pantone Green 347C
SKD39123122-055	0.84"	0.67"	Lexan	1	Pantone Blue 300C
SKD39123122-063	0.84"	0.67"	Lexan	2	Pantone Yellow 012C
SKD39123122-071	0.84"	0.67"	Lexan	3	Pantone Orange 021C
SKD39123122-079	0.84"	0.67"	Lexan	4	Pantone Red 199C
SKD39123122-177	0.84"	0.67"	Vinyl	0	Kelly Green
SKD39123122-185	0.84"	0.67"	Vinyl	1	Sapphire Blue
SKD39123122-193	0.84"	0.67"	Vinyl	2	Bright Yellow
SKD39123122-201	0.84"	0.67"	Vinyl	3	Bright Orange
SKD39123122-209	0.84"	0.67"	Vinyl	4	Cardinal Red
SKD39123122-137	0.84"	0.67"	Nomex	0	Pantone Green 347C
SKD39123122-145	0.84"	0.67"	Nomex	1	Pantone Blue 300C
SKD39123122-153	0.84"	0.67"	Nomex	2	Pantone Yellow 012C
SKD39123122-161	0.84"	0.67"	Nomex	3	Pantone Orange 021C
SKD39123122-169	0.84"	0.67"	Nomex	4	Pantone Red 199C

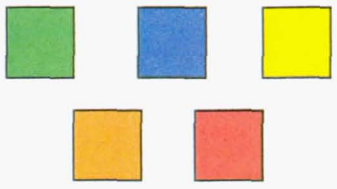
Restrictions
Vinyl = IVA Only, Flammability, Fungus, Polyvinyl Chloride
Nomex = Short Term Low Earth Orbit Exposure
Lexan = Short Term Low Earth Orbit Exposure, Flammability
Hammermill = IVA Only, Flammability, Fungus

Decal, Hazardous/Nonhazardous Logo; IVA (continued)

Drawing Number	Dimension		Material	Level	Field Color
	Length	Height			
SKD39123122-081	0.59"	0.47"	Hammermill	0	Pantone Green 347C
SKD39123122-087	0.59"	0.47"	Hammermill	1	Pantone Blue 300C
SKD39123122-093	0.59"	0.47"	Hammermill	2	Pantone Yellow 012C
SKD39123122-099	0.59"	0.47"	Hammermill	3	Pantone Orange 021C
SKD39123122-105	0.59"	0.47"	Hammermill	4	Pantone Red 199C
SKD39123122-211	0.59"	0.47"	Vinyl	0	Kelly Green
SKD39123122-217	0.59"	0.47"	Vinyl	1	Sapphire Blue
SKD39123122-223	0.59"	0.47"	Vinyl	2	Bright Yellow
SKD39123122-229	0.59"	0.47"	Vinyl	3	Bright Orange
SKD39123122-235	0.59"	0.47"	Vinyl	4	Cardinal Red
Drawing Number	**Dimension**		**Material**	**Level**	**Field Color**
	Length	**Height**			
SKD39123122-083	0.39"	0.31"	Hammermill	0	Pantone Green 347C
SKD39123122-089	0.39"	0.31"	Hammermill	1	Pantone Blue 300C
SKD39123122-095	0.39"	0.31"	Hammermill	2	Pantone Yellow 012C
SKD39123122-101	0.39"	0.31"	Hammermill	3	Pantone Orange 021C
SKD39123122-107	0.39"	0.31"	Hammermill	4	Pantone Red 199C
SKD39123122-213	0.39"	0.31"	Vinyl	0	Kelly Green
SKD39123122-219	0.39"	0.31"	Vinyl	1	Sapphire Blue
SKD39123122-225	0.39"	0.31"	Vinyl	2	Bright Yellow
SKD39123122-231	0.39"	0.31"	Vinyl	3	Bright Orange
SKD39123122-237	0.39"	0.31"	Vinyl	4	Cardinal Red
Drawing Number	**Dimension**		**Material**	**Level**	**Field Color**
	Length	**Height**			
SKD39123122-085	0.29"	0.23"	Hammermill	0	Pantone Green 347C
SKD39123122-091	0.29"	0.23"	Hammermill	1	Pantone Blue 300C
SKD39123122-097	0.29"	0.23"	Hammermill	2	Pantone Yellow 012C
SKD39123122-103	0.29"	0.23"	Hammermill	3	Pantone Orange 021C
SKD39123122-109	0.29"	0.23"	Hammermill	4	Pantone Red 199C
SKD39123122-215	0.29"	0.23"	Vinyl	0	Kelly Green
SKD39123122-221	0.29"	0.23"	Vinyl	1	Sapphire Blue
SKD39123122-227	0.29"	0.23"	Vinyl	2	Bright Yellow
SKD39123122-233	0.29"	0.23"	Vinyl	3	Bright Orange
SKD39123122-239	0.29"	0.23"	Vinyl	4	Cardinal Red



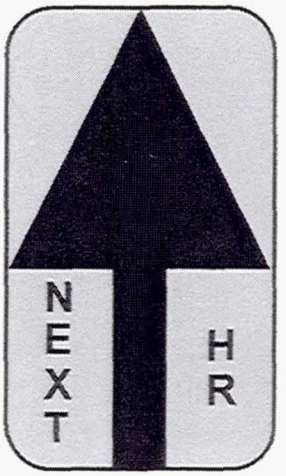
Drawing Number	Dimension	Material	Level	Field Color
	Square			
SKD39123122-085	0.20"	Vinyl	0	Kelly Green
SKD39123122-091	0.20"	Vinyl	1	Sapphire Blue
SKD39123122-097	0.20"	Vinyl	2	Bright Yellow
SKD39123122-103	0.20"	Vinyl	3	Bright Orange
SKD39123122-109	0.20"	Vinyl	4	Cardinal Red



Drawing Number	Dimension	Material	Level	Field Color
	Square			
SKD39123122-085	0.12"	Vinyl	0	Kelly Green
SKD39123122-091	0.12"	Vinyl	1	Sapphire Blue
SKD39123122-097	0.12"	Vinyl	2	Bright Yellow
SKD39123122-103	0.12"	Vinyl	3	Bright Orange
SKD39123122-109	0.12"	Vinyl	4	Cardinal Red

Decal, Next Handrail (HR) Identification; EVA

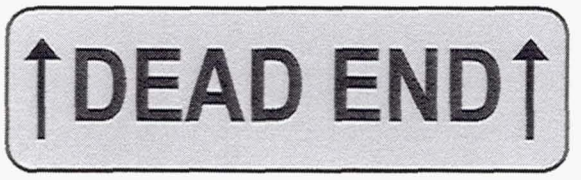
Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105222-001	1.75"	2.75"	Metalphoto & Adhesive	None
SDG32105222-002	1.75"	2.75"	Metalphoto	None



This black text and arrow EVA decal is produced from Metalphoto foil (with and without adhesive). This label is used to identify the next handrail in a translation path where the next handrail is not visible from design eye point due to an obstruction or contour of the path. This label should be used in pairs as a minimum, one for each side and direction of translation.

Decal, Translation Path Dead End Identification; EVA

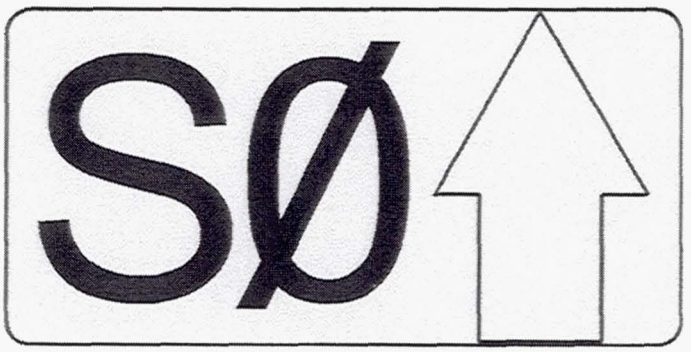
Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105223-001	3.50"	1.25"	Metalphoto & Adhesive	None
SDG32105223-002	3.50"	1.25"	Metalphoto	None



This black text and arrow EVA decal is produced from Metalphoto foil (with and without adhesive). The dead end label is used to identify a translation path that has no other exit, or dead ends.

Decal, Truss Segment Identification; EVA

Drawing Number	Dimension		Material	Decal Nomenclature	Restrictions
	Length	Height			
SDG32105086-002	5.00"	2.50"	Metalphoto & Adhesive	S0	None
SDG32105086-003	5.00"	2.50"	Metalphoto & Adhesive	S1	None
SDG32105086-004	5.00"	2.50"	Metalphoto & Adhesive	S3	None
SDG32105086-005	5.00"	2.50"	Metalphoto & Adhesive	S4	None
SDG32105086-006	5.00"	2.50"	Metalphoto & Adhesive	S5	None
SDG32105086-007	5.00"	2.50"	Metalphoto & Adhesive	S6	None
SDG32105086-008	5.00"	2.50"	Metalphoto & Adhesive	EF	None
SDG32105086-009	5.00"	2.50"	Metalphoto & Adhesive	P1	None
SDG32105086-010	5.00"	2.50"	Metalphoto & Adhesive	P3	None
SDG32105086-011	5.00"	2.50"	Metalphoto & Adhesive	P4	None
SDG32105086-012	5.00"	2.50"	Metalphoto & Adhesive	P5	None
SDG32105086-013	5.00"	2.50"	Metalphoto & Adhesive	P6	None
SDG32105086-014	5.00"	2.50"	Metalphoto & Adhesive	Z1	None
SDG32105086-016	5.00"	2.50"	Metalphoto	S0	None
SDG32105086-017	5.00"	2.50"	Metalphoto	S1	None
SDG32105086-018	5.00"	2.50"	Metalphoto	S3	None
SDG32105086-019	5.00"	2.50"	Metalphoto	S4	None
SDG32105086-020	5.00"	2.50"	Metalphoto	S5	None
SDG32105086-021	5.00"	2.50"	Metalphoto	S6	None
SDG32105086-022	5.00"	2.50"	Metalphoto	EF	None
SDG32105086-023	5.00"	2.50"	Metalphoto	P1	None
SDG32105086-024	5.00"	2.50"	Metalphoto	P3	None
SDG32105086-025	5.00"	2.50"	Metalphoto	P4	None
SDG32105086-026	5.00"	2.50"	Metalphoto	P5	None
SDG32105086-027	5.00"	2.50"	Metalphoto	P6	None
SDG32105086-028	5.00"	2.50"	Metalphoto	Z1	None

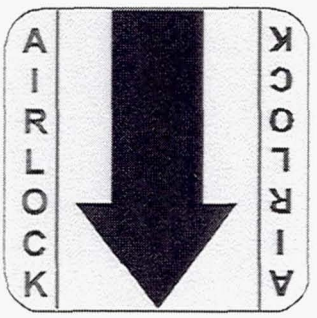


SDG32105086-002

This black text and arrows on silver plate is produced from Metalphoto (with and without adhesive). Text shall be 2" Helvetica bold. This label is used to identify the beginning and end points of each truss segment.

Decal, Return to Airlock; EVA

Drawing Number	Dimension		Material	Decal Nomenclature	Restrictions
	Length	Height			
SDG32105086-001	3.00"	3.00"	Metalphoto & Adhesive	AIRLOCK	None
SDG32105086-015	3.00"	3.00"	Metalphoto	AIRLOCK	None

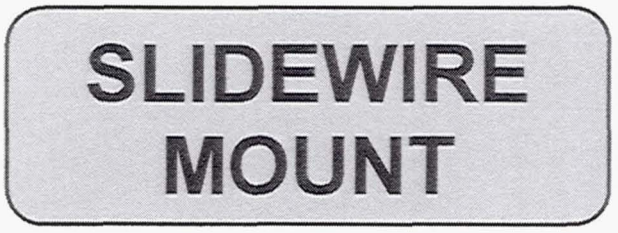


SDG32105086-001

This black text and arrows on silver plate is produced from Metalphoto (with and without adhesive). This label is used on the primary translation path and indicates the direction back to the airlock.

Decal, Slidewire Mounting Location Label; EVA

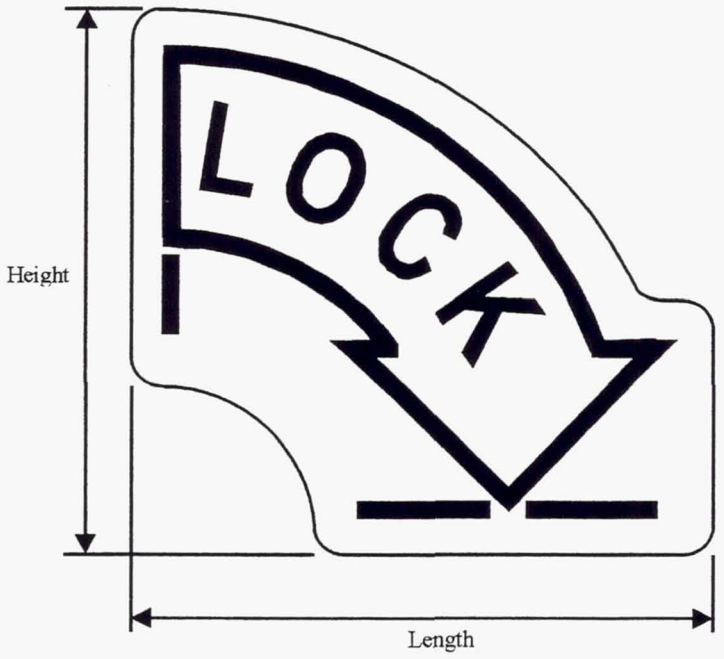
Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105764-001	2.55"	0.90"	Metalphoto & Adhesive	None
SDG32105764-002	2.55"	0.90"	Metalphoto	None



This label is used to identify the mounting location of a slidewire on pressurized modules. This label is available on Metalphoto (with and without adhesive).

Decal Zeus Quarter Turn Fastener Instructional Label; EVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105769-001	1.57"	1.50"	Metalphoto & Adhesive	None
SDG32105769-002	1.57"	1.50"	Metalphoto	None



This label is used only on Zeus quarter turn fasteners and it provides fastener operating instructions. This label is used for identification purposes. This label is available on Metalphoto (with and without adhesive).

7.3 Caution/Warning Decals

- **Keep Out Zone, EVA & IVA**
- **Radio Frequency Radiation Hazard, EVA & IVA**
- **Stored Energy, EVA & IVA**
- **Pinch Points, EVA & IVA**
- **Corrosives Venting, EVA & IVA**
- **Sharp Corners/Edges, EVA & IVA**
- **Propulsive/Thruster, EVA**
- **Electrical Hazard, EVA & IVA**
- **Pressurized Vessel, EVA & IVA**
- **Protruding Objects, EVA & IVA**
- **Cold Do Not Touch, EVA & IVA**
- **Hot Do Not Touch, EVA & IVA**
- **Entanglement, EVA & IVA**
- **Avoid Impact/Collision, EVA & IVA**
- **Ionizing Radiation Hazard, EVA & IVA**
- **Reduced Clearance, EVA & IVA**
- **Pyrotechnics, EVA**
- **Sensitive To Loading, EVA**
- **Draining/Emptying Toxic Material, EVA**
- **Electrostatic Discharge, EVA**
- **Electrostatic Discharge, IVA**
- **Electrostatic Discharge Symbol, EVA & IVA**

Decal & Decal Assembly, Caution/Warning, Keep Out Zone; EVA & IVA

Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105051-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105051-002	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105051-003	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105724-301	2.88"	1.25"	Metalphoto	None
SEG32105724-302	4.00"	1.88"	Metalphoto	None
SEG32105724-303	2.88"	1.25"	Metalphoto	None
SEG32105724-304	4.00"	1.88"	Metalphoto	None
Drawing Number Metalphoto Only	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105724-001	2.38"	0.75"	Metalphoto	None
SEG32105724-002	3.25"	1.12"	Metalphoto	None
Drawing Number Backplates Only	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105052-001	2.88"	1.25"	Metalphoto	None
SEG32105052-002	4.00"	1.88"	Metalphoto	None
SEG32105052-003	2.88"	1.25"	Metalphoto	None
SEG32105052-004	4.00"	1.88"	Metalphoto	None

For IVA: The 2.88" by 1.25" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105051-001

EVA Assembly-SEG32105724-302

Decal & Decal Assembly, Caution/Warning, Radio Frequency Radiation Hazard; EVA & IVA

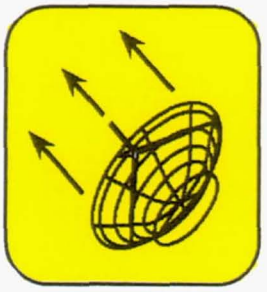
Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105053-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105053-002	1.00"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105053-003	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105053-004	1.00"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105053-005	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105053-006	1.00"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105054-301	2.88"	1.25"	Metalphoto	None
SEG32105054-302	4.00"	1.88"	Metalphoto	None
SEG32105054-303	2.88"	1.25"	Metalphoto	None
SEG32105054-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105054-001	2.38"	0.75"	Metalphoto	None
SEG32105054-002	3.25"	1.12"	Metalphoto	None

NOTE: when real estate prohibits placement of the full size decal, the corresponding icon may stand alone.

For IVA: The 2.88" x 1.25" and the 1.00" x 1.00" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105053-001



IVA Icon Decal SDG32105053-002

EVA Assembly-SDG32105054-302

Page intentionally left blank

Decal & Decal Assembly, Caution/Warning, Pinch Points; EVA & IVA

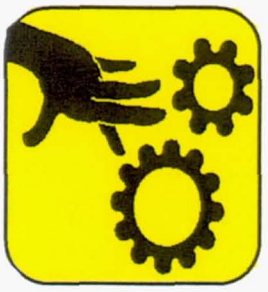
Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105057-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105057-002	1.00"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105057-003	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105057-004	1.00"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105057-005	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105057-006	1.00"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105058-301	2.88"	1.25"	Metalphoto	None
SEG32105058-302	4.00"	1.88"	Metalphoto	None
SEG32105058-303	2.88"	1.25"	Metalphoto	None
SEG32105058-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105058-001	2.38"	0.75"	Metalphoto	None
SEG32105058-002	3.25"	1.12"	Metalphoto	None

NOTE: when real estate prohibits placement of the full size decal, the corresponding icon may stand alone.

For IVA: The 2.88" x 1.25" and the 1.00" x 1.00" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SEG32105057-001



IVA Icon Decal SDG32105057-002

EVA Assembly-SDG32105058-302

Decal & Decal Assembly, Caution/Warning, Corrosives Venting; EVA & IVA

Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105059-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105059-002	1.00"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105059-003	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105059-004	1.00"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105059-005	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105059-006	1.00"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105060-301	2.88"	1.25"	Metalphoto	None
SEG32105060-302	4.00"	1.88"	Metalphoto	None
SEG32105060-303	2.88"	1.25"	Metalphoto	None
SEG32105060-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105060-001	2.38"	0.75"	Metalphoto	None
SEG32105060-002	3.25"	1.12"	Metalphoto	None

NOTE: when real estate prohibits placement of the full size decal, the corresponding icon may stand alone.

For IVA: The 2.88" x 1.25" and the 1.00" x 1.00" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105059-001

IVA Icon Decal SDG32105059-002

EVA Assembly-SDG32105060-302

Decal & Decal Assembly, Caution/Warning, Sharp Corners/Edges; EVA & IVA

Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105061-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105061-002	1.00"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105061-003	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105061-004	1.00"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105061-005	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105061-006	1.00"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105062-301	2.88"	1.25"	Metalphoto	None
SEG32105062-302	4.00"	1.88"	Metalphoto	None
SEG32105062-303	2.88"	1.25"	Metalphoto	None
SEG32105062-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105062-001	2.38"	0.75"	Metalphoto	None
SEG32105062-002	3.25"	1.12"	Metalphoto	None

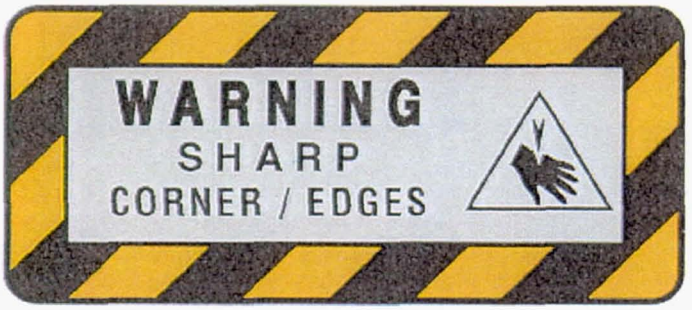
NOTE: when real estate prohibits placement of the full size decal, the corresponding icon may stand alone.

For IVA: The 2.88" x 1.25" and the 1.00" x 1.00" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105061-001

IVA Icon Decal SDG32105061-002



EVA Assembly-SEG32105062-302

Decal Assembly, Caution/Warning, Propulsive/Thruster; EVA

Drawing Number EVA Assembly	Dimension		Material	Restrictions
	Length	Height		
SEG32105063-301	2.88"	1.25"	Metalphoto	None
SEG32105063-302	4.00"	1.88"	Metalphoto	None
SEG32105063-303	2.88"	1.25"	Metalphoto	None
SEG32105063-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105063-001	2.38"	0.75"	Metalphoto	None
SEG32105063-002	3.25"	1.12"	Metalphoto	None

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

EVA Assembly-SEG32105063-301

EVA Assembly-SEG32105063-302

Decal & Decal Assembly, Caution/Warning, Electrical Hazard; EVA & IVA

Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105064-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105064-002	1.00"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105064-003	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105064-004	1.00"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105064-005	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105064-006	1.00"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105065-301	2.88"	1.25"	Metalphoto	None
SEG32105065-302	4.00"	1.88"	Metalphoto	None
SEG32105065-303	2.88"	1.25"	Metalphoto	None
SEG32105065-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105065-001	2.38"	0.75"	Metalphoto	None
SEG32105065-002	3.25"	1.12"	Metalphoto	None

NOTE: when real estate prohibits placement of the full size decal, the corresponding icon may stand alone.

For IVA: The 2.88" x 1.25" and the 1.00" x 1.00" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105064-001

IVA Icon Decal SDG32105064-002

EVA Assembly-SEG32105065-302

Decal & Decal Assembly, Caution/Warning, Pressurized Vessel; EVA & IVA

Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105066-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105066-002	1.00"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105066-003	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105066-004	1.00"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105066-005	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105066-006	1.00"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105067-301	2.88"	1.25"	Metalphoto	None
SEG32105067-302	4.00"	1.88"	Metalphoto	None
SEG32105067-303	2.88"	1.25"	Metalphoto	None
SEG32105067-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105067-001	2.38"	0.75"	Metalphoto	None
SEG32105067-002	3.25"	1.12"	Metalphoto	None

NOTE: when real estate prohibits placement of the full size decal, the corresponding icon may stand alone.

For IVA: The 2.88" x 1.25" and the 1.00" x 1.00" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105066-001

IVA Icon Decal SDG32105066-002

EVA Assembly-SDG32105067-302

Decal & Decal Assembly, Caution/Warning, Protruding Objects; EVA & IVA

Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105068-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105068-002	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105068-003	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105069-301	2.88"	1.25"	Metalphoto	None
SEG32105069-302	4.00"	1.88"	Metalphoto	None
SEG32105069-303	2.88"	1.25"	Metalphoto	None
SEG32105069-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105069-001	2.38"	0.75"	Metalphoto	None
SEG32105069-002	3.25"	1.12"	Metalphoto	None

For IVA: The 2.88" x 1.25" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105068-001

EVA Assembly-SDG32105069-302

Decal & Decal Assembly, Caution/Warning, Cold Do Not Touch; EVA & IVA

Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105070-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105070-002	1.00"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105070-003	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105070-004	1.00"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105070-005	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105070-006	1.00"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105071-301	2.88"	1.25"	Metalphoto	None
SEG32105071-302	4.00"	1.88"	Metalphoto	None
SEG32105071-303	2.88"	1.25"	Metalphoto	None
SEG32105071-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105071-001	2.38"	0.75"	Metalphoto	None
SEG32105071-002	3.25"	1.12"	Metalphoto	None

NOTE: when real estate prohibits placement of the full size decal, the corresponding icon may stand alone.

For IVA: The 2.88" x 1.25" and the 1.00" x 1.00" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105070-001

IVA Icon Decal
SDG32105070-002

EVA Assembly-SDG32105071-302

Decal & Decal Assembly, Caution/Warning, Hot Do Not Touch; EVA & IVA

Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105072-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105072-002	1.00"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105072-003	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105072-004	1.00"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105072-005	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105072-006	1.00"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105073-301	2.88"	1.25"	Metalphoto	None
SEG32105073-302	4.00"	1.88"	Metalphoto	None
SEG32105073-303	2.88"	1.25"	Metalphoto	None
SEG32105073-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105073-001	2.38"	0.75"	Metalphoto	None
SEG32105073-002	3.25"	1.12"	Metalphoto	None

NOTE: when real estate prohibits placement of the full size decal, the corresponding icon may stand alone.

For IVA: The 2.88" x 1.25" and the 1.00" x 1.00" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105072-001

IVA Icon Decal SDG32105072-002

EVA Assembly-SDG32105073-302

Decal & Decal Assembly, Caution/Warning, Entanglement; EVA & IVA

Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105074-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105074-002	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105074-003	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105075-301	2.88"	1.25"	Metalphoto	None
SEG32105075-302	4.00"	1.88"	Metalphoto	None
SEG32105075-303	2.88"	1.25"	Metalphoto	None
SEG32105075-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105075-001	2.38"	0.75"	Metalphoto	None
SEG32105075-002	3.25"	1.12"	Metalphoto	None

For IVA: The 2.88" x 1.25" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105074-001

EVA Assembly-SDG32105075-302

Decal & Decal Assembly, Caution/Warning, Avoid Impact/Collision; EVA & IVA

Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105076-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105076-002	1.00"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105076-003	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105076-004	1.00"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105076-005	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105076-006	1.00"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105077-301	2.88"	1.25"	Metalphoto	None
SEG32105077-302	4.00"	1.88"	Metalphoto	None
SEG32105077-303	2.88"	1.25"	Metalphoto	None
SEG32105077-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105077-001	2.38"	0.75"	Metalphoto	None
SEG32105077-002	3.25"	1.12"	Metalphoto	None

NOTE: when real estate prohibits placement of the full size decal, the corresponding icon may stand alone.

For IVA: The 2.88" x 1.25" and the 1.00" x 1.00" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105076-001

IVA Icon Decal SDG32105076-002

EVA Assembly-SDG32105077-302

Decal & Decal Assembly, Caution/Warning, Ionizing Radiation Hazard; EVA & IVA

Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105078-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105078-002	1.00"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105078-003	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105078-004	1.00"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105078-005	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105078-006	1.00"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105079-301	2.88"	1.25"	Metalphoto	None
SEG32105079-302	4.00"	1.88"	Metalphoto	None
SEG32105079-303	2.88"	1.25"	Metalphoto	None
SEG32105079-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105079-001	2.38"	0.75"	Metalphoto	None
SEG32105079-002	3.25"	1.12"	Metalphoto	None

NOTE: when real estate prohibits placement of the full size decal, the corresponding icon may stand alone.

For IVA: The 2.88" x 1.25" and the 1.00" x 1.00" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105078-001

IVA Icon Decal SDG32105078-002

EVA Assembly-SDG32105079-302

Decal & Decal Assembly, Caution/Warning, Reduced Clearance; EVA & IVA

Drawing Number IVA Decals	Dimension		Material	Restrictions
	Length	Height		
SDG32105080-001	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105080-002	1.00"	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32105080-003	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105080-004	1.00"	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105080-005	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32105080-006	1.00"	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
Drawing Number EVA Assembly	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105081-301	2.88"	1.25"	Metalphoto	None
SEG32105081-302	4.00"	1.88"	Metalphoto	None
SEG32105081-303	2.88"	1.25"	Metalphoto	None
SEG32105081-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105081-001	2.38"	0.75"	Metalphoto	None
SEG32105081-002	3.25"	1.12"	Metalphoto	None

NOTE: when real estate prohibits placement of the full size decal, the corresponding icon may stand alone.

For IVA: The 2.88" x 1.25" and the 1.00" x 1.00" black/yellow label is the accepted warning label of the Safety team. These are available on reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

IVA Decal-SDG32105080-001

IVA Icon Decal SDG32105080-002

EVA Assembly-SDG32105081-302

Decal Assembly, Caution/Warning, Pyrotechnics; EVA

Drawing Number EVA Assembly	Dimension		Material	Restrictions
	Length	Height		
SEG32105082-301	2.88"	1.25"	Metalphoto	None
SEG32105082-302	4.00"	1.88"	Metalphoto	None
SEG32105082-303	2.88"	1.25"	Metalphoto	None
SEG32105082-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105082-001	2.38"	0.75"	Metalphoto	None
SEG32105082-002	3.25"	1.12"	Metalphoto	None

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

EVA Assembly-SDG32105082-301

EVA Assembly-SDG32105082-302

Decal Assembly, Caution/Warning, Sensitive To Loading; EVA

Drawing Number EVA Assembly	Dimension		Material	Restrictions
	Length	Height		
SEG32105083-301	2.88"	1.25"	Metalphoto	None
SEG32105083-302	4.00"	1.88"	Metalphoto	None
SEG32105083-303	2.88"	1.25"	Metalphoto	None
SEG32105083-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105083-001	2.38"	0.75"	Metalphoto	None
SEG32105083-002	3.25"	1.12"	Metalphoto	None

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

EVA Assembly-SDG32105083-301

EVA Assembly-SDG32105083-302

Decal Assembly, Caution/Warning, Draining/Emptying Toxic Material; EVA

Drawing Number EVA Assembly	Dimension		Material	Restrictions
	Length	Height		
SEG32105084-301	2.88"	1.25"	Metalphoto	None
SEG32105084-302	4.00"	1.88"	Metalphoto	None
SEG32105084-303	2.88"	1.25"	Metalphoto	None
SEG32105084-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105084-001	2.38"	0.75"	Metalphoto	None
SEG32105084-002	3.25"	1.12"	Metalphoto	None

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

EVA Assembly-SDG32105084-301

EVA Assembly-SDG32105084-302

Decal Assembly, Caution/Warning, Electrostatic Discharge; EVA

Drawing Number EVA Assembly	Dimension		Material	Restrictions
	Length	Height		
SEG32105722-301	2.88"	1.25"	Metalphoto	None
SEG32105722-302	4.00"	1.88"	Metalphoto	None
SEG32105722-303	2.88"	1.25"	Metalphoto	None
SEG32105722-304	4.00"	1.88"	Metalphoto	None
Drawing Number Foil Decal	**Dimension**		**Material**	**Restrictions**
	Length	**Height**		
SEG32105722-001	2.38"	0.75"	Metalphoto	None
SEG32105722-002	3.25"	1.12"	Metalphoto	None

For EVA: An assembly is called for silver/black center text and graphics represent Metalphoto foil, which is adhered using 3M #966 adhesive, to the gold/black striped .040 mil anodized aluminum plate.

EVA Assembly-SDG32105722-301

EVA Assembly-SDG32105722-302

Decal, Electrostatic Discharge; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32104806-001	4.00"	1.88"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104806-002	2.88"	1.25"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104806-003	4.00"	1.88"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104806-004	2.88"	1.25"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104806-005	4.00"	1.88"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104806-006	2.88"	1.25"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride

Black text/stripes on a yellow background may be produced from reverse screen print Lexan (with and without adhesive) and laminated Scotchcal 220.

Decal, Electrostatic Symbol; EVA & IVA

Drawing Number	Dimension	Material	Restrictions
	Square		
SDG32104805-001	1.50"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104805-002	1.00"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104805-003	0.50"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32104805-004	1.50"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104805-005	1.00"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104805-006	0.50"	Lexan	Short Term Low Earth Orbit Exposure, Flammability
SDG32104805-007	1.50"	Metalphoto & Adhesive	None
SDG32104805-008	1.00"	Metalphoto & Adhesive	None
SDG32104805-009	0.50"	Metalphoto & Adhesive	None
SDG32104805-010	1.50"	Metalphoto	None
SDG32104805-011	1.00"	Metalphoto	None
SDG32104805-012	0.50"	Metalphoto	None
SDG32104805-013	1.50"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104805-014	1.00"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride
SDG32104805-015	0.50"	Scotchcal 220	IVA Only, Flammability, Fungus, Polyvinyl Chloride

This icon is used where the discharge of static electricity is possible. Utilized when space is limited, the minimum size allowed is 0.25 in square when ordered as a non-standard label. This icon is available on reverse screen-print Lexan (with and without adhesive), Metalphoto foil (with and without adhesive), and laminated Scotchcal 220.

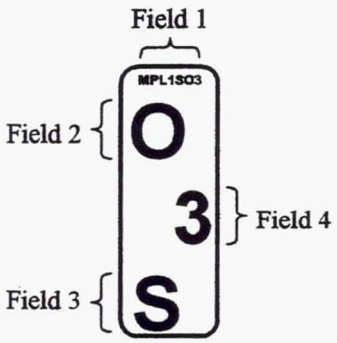
7.4 Miscellaneous Template Decals

- **Standoff, IVA**
- **Rack Label, IVA**
- **To Utility, IVA**
- **Utility Coding, IVA**
- **Utility Coding Without Hazard Classification, IVA**
- **Closeout and Access Panel Identifier, IVA**
- **CETA Rail Locator, EVA**
- **Worksite Interface (WIF) Identification, EVA**
- **Truss Bay Identification, EVA**
- **Connector Panel Identifier, EVA**
- **Module Location Coding, EVA**
- **Handrail and Handhold I.D., EVA**
- **EVA Interface Equipment Mounting Location Identification**
- **EVA Interface Equipment Identification**
- **EVA Interface Identification**
- **EVA Fluid and Electrical Connector Identification**

Decal, Standoff, IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105046-001	1.18"	2.56"	Helioscan & Adhesive	IVA Only, Flammability, Polyvinyl Chloride

This label is used for IVA vehicle standoff identification. Decals are made of 7 mil. Helioscan, black text on white background.



Field 1 = MPL1SO3 Module Name (MPL)/Number (1) & Standoff Location (S=Starboard, O=Overhead, 3=Bay 3)

Field 2 = S (Standoff Location #1) (Rack bay above "S")

Field 3 = A (Standoff Location #2) (Rack bay below "O")

Field 4 = 3 (Numerical Identifier/Bay Location)

Example Only

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Below is an example of a table.

Field 1, Module Name/Number & Standoff Location
HABx - Habitation Module
LABx - Laboratory Module
APM - ESA Attached Pressurized Module
JPM - Japanese Experiment Module
JLP - Japanese Experiment Logistics Module
MPLx - Mini Pressurized Logistics Module
NODx - Node
A/L - Airlock
CUP - Cupola
PMAx - Pressurized Mating Adapter

The "x" indicates a module number.

Field 2, Standoff Location #1
P - Port
S - Starboard
O - Overhead
D - Deck
F - Forward
A - Aft

Field 3, Standoff Location #2
P - Port
S - Starboard
O - Overhead
D - Deck
F - Forward
A - Aft

Field 4, Numerical Identifier/Bay Location
1-6

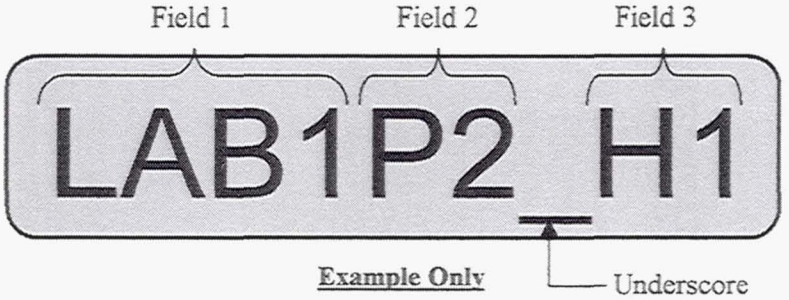
Example of table that is to be placed on JSC 733 form.

.Drawing Number	Module Name/ Number/Standoff Location	Standoff Location #1	Standoff Location #2	Standoff Location #3	Quantity
SDG32105046-001	MPL1SA3	S	O	3	1
SDG32105046-001	HAB1PD5	P	D	5	1
SDG32105046-001	LAB1OS1	O	S	1	1

Decal, Rack Label; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105092-001	3.875"	0.625"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability
SDG32105092-002	3.875"	0.625"	Lexan	Short Term Low Earth Orbit Exposure, Flammability

This label is produced from reverse screen print Lexan (with and without adhesive). Text shall be 48 PT. Helvetica.



Field 1 = LAB1 (Module Name & Number)

Field 2 = P2 (Rack/Bay Location)

Field 3 = H1 (Tray Location)

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size, material, vary as a function of dash numbers. Below is an example of the table.

Field 1, Module Name & Number
HABx - Habitation Module
LABx - Laboratory Module
APM - ESA Attached Pressurized Module
JPM - Japanese Experiment Module
JLP - Japanese Experiment Logistics Module
MPLx - Mini Pressurized Logistics Module
NODx - Node
A/L - Airlock
CUP - Cupola
PMAx - Pressurized Mating Adapter

The "x" indicates module number.

Field 2, Rack/Bay Location	
Rack Location	Bay Location
P - Port	0-7
S - Starboard	
O - Overhead	
D - Deck	
F - Forward	
A - Aft	

Field 3, Tray Location
Distance from the top of rack
A-N excluding I, & O
Left/Right Location on the rack
Left = Odd Numbers Right = Even Numbers

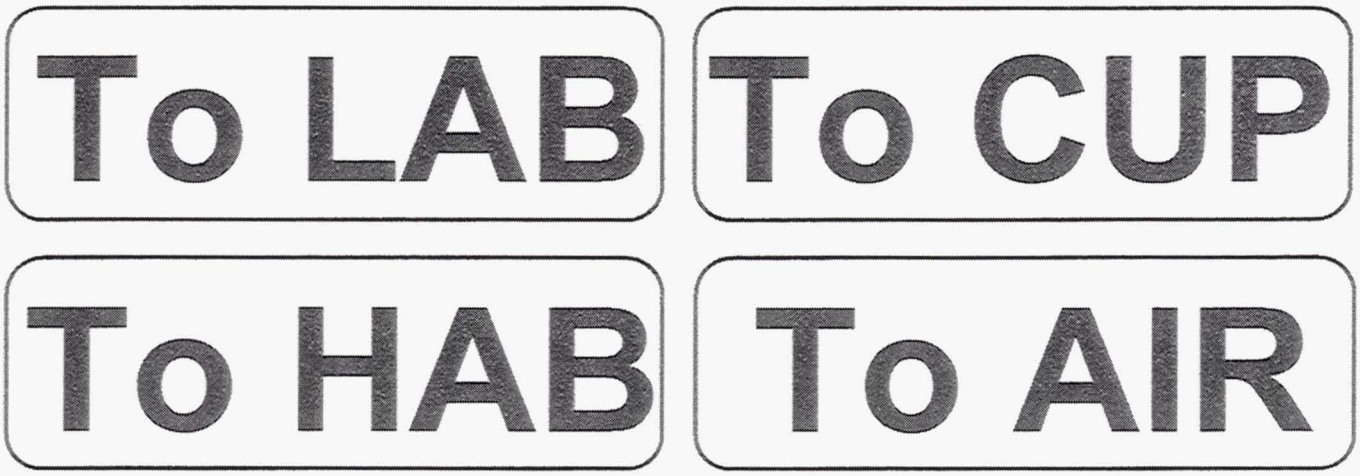
Example of a table that is to be placed on JSC 733 form.

Drawing Number	Module Name & Number	Rack/Bay Location	Tray Location	Quantity
SDG32105092-001	LAB1	P2	H1	1
SDG32105092-001	HAB1	S3	B2	1
SDG32105092-002	NOD1	O4	F2	1

Decal, To Utility; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105100-001	9.80"	2.50"	Lexan & Adhesive	Short Term Low Earth Orbit Exposure, Flammability

This label is available on reverse screen print Lexan (15 mil) with adhesive.



Examples Only

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Below is an example of the table.

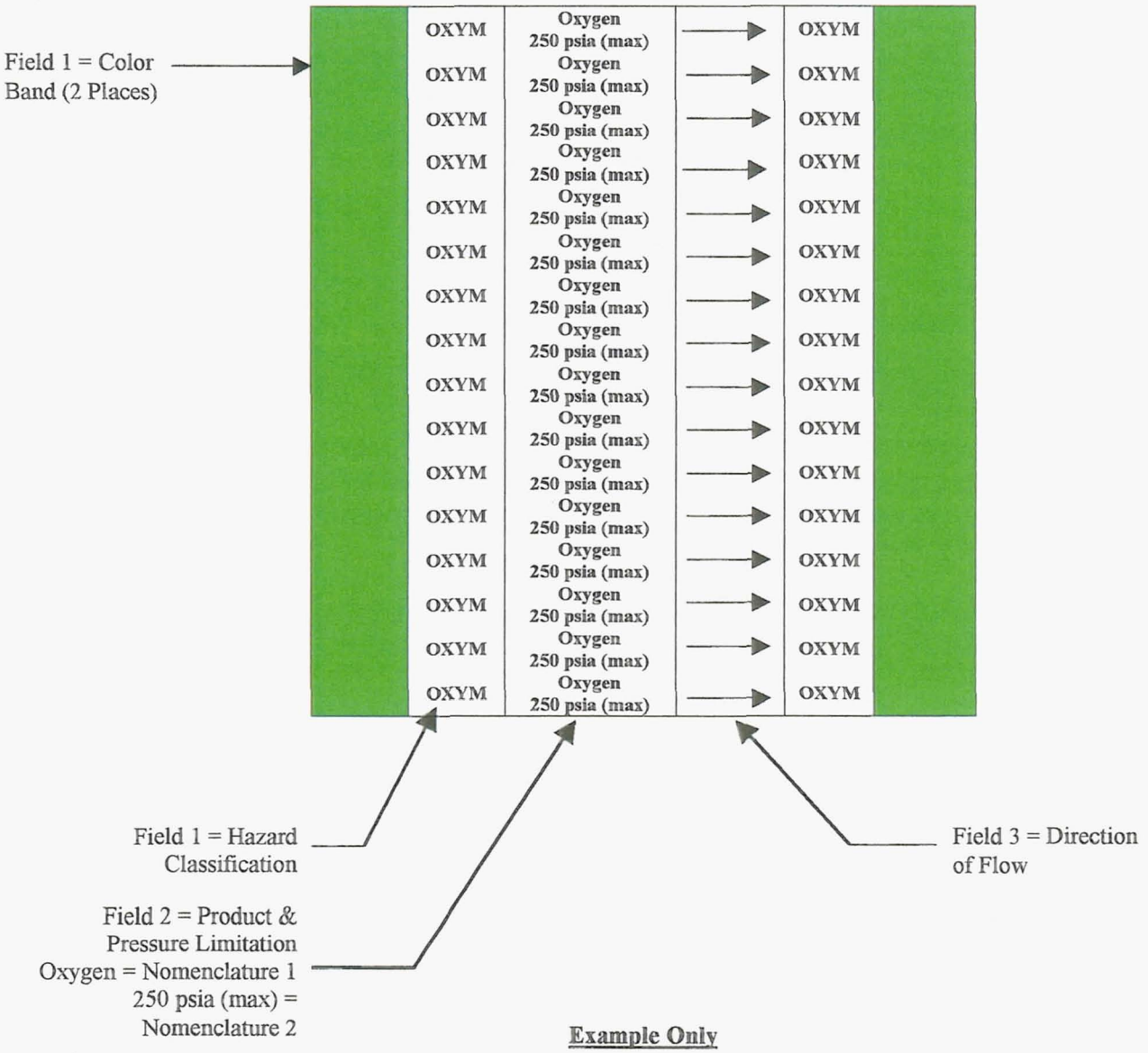
Example of the table that is to be placed in the JSC 733 form.

Drawing Number	Text Required	Quantity
SDG32105100-001	To LAB	1
SDG32105100-001	To HAB	1
SDG32105100-001	To CUP	1
SDG32105100-001	To AIR	1

Label, Utility Coding; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105087	3.50"	11.00"	Metalphoto & Adhesive	None

This Metal foil label is black text and symbols on a silver-gray background, and can have silk screened color bars, but the number of colors available is limited. This is produced from 5 mil. thick, annealed Metalphoto foil as a sheet rather than individual components, to help facilitate installation. These are available in 11" strips with 3M #966 adhesive backing. Reference SSP 50014.



Example Only

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. The following page consist of an example of a table.

Decal, To Utility Coding; IVA (continued)

Field 1, Color/Classification	
* Color Band	* Hazard Classification
Yellow	FLAM
Red	FPM
Blue	AAHM
Brown	TOXIC
Green	OXYM
Gray	PHDAN

Field 2, Product & Pressure Limitation	
Nomenclature 1	Nomenclature 2
Place applicable medium name	0-999 psi (max)

Field 3, Direction
←
→
↔

* Color bands and the hazard classification are not interchangeable items. Each hazard classification has a certain color that identifies it.

Hazard Classification
FLAM = Flammable Materials
FPM = Fire Protection Materials
AAHM = Anesthetics Poisonous Materials
TOXIC = Toxic and Poisonous Materials
OXYM = Oxidizing Materials
PHDAN = Physically Dangerous Materials

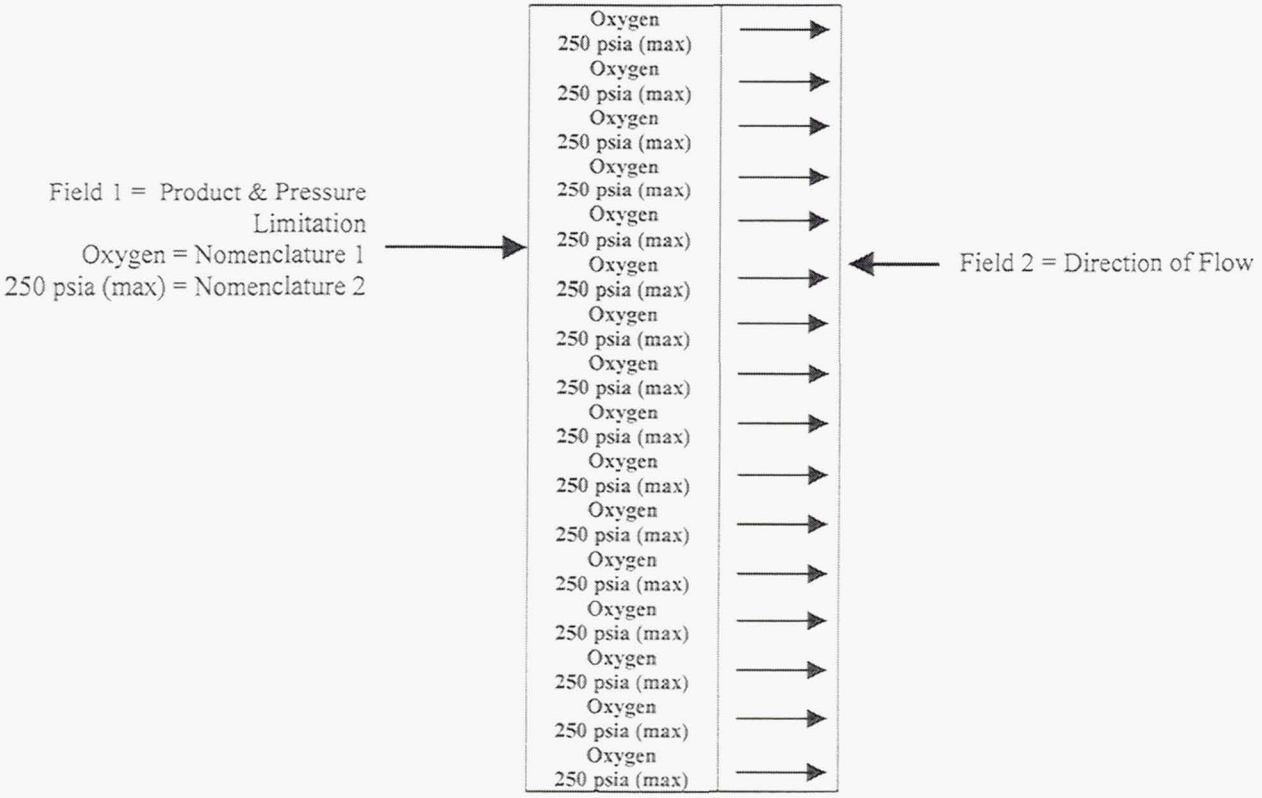
Example of table that is to be placed on JSC 733 form.

Drawing Number	Color/Classification	Product & Pressure Limitation	Direction	Quantity
SDG32105087-001	Green/OXYM	Oxygen/250 psi (max)	→	1
SDG32105087-001	Gray/PHDAN	Potable Water/250 psi (max)	→	1

Label, Utility Coding Without Hazard Classification; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105728	1.50"	11.00"	Metalphoto & Adhesive	None

This Metal foil label is black text and symbols on a silver-gray background. This is produced from 5 mil. thick, annealed Metalphoto foil as a sheet rather than individual components, to help facilitate installation. These are available in 11" strips with 3M #966 adhesive backing. Reference SSP 50014.



Example Only

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Below is an example of a table.

Field 1, Product & Pressure Limitation	
Nomenclature 1	Nomenclature 2
Place applicable medium name	0-999 psi (max)

Field 2, Direction
→
←
↔

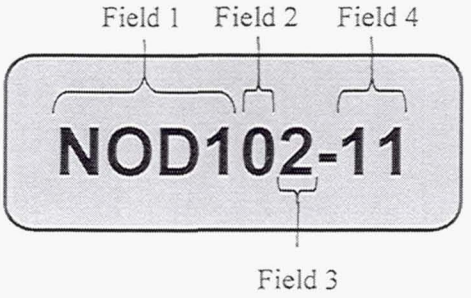
Example of table that is to be placed on JSC 733 form.

Drawing Number	Product & Pressure Limitation	Direction	Quantity
SDG32105728-001	Oxygen/250 psi (max)	→	1
SDG32105728-001	Potable Water/250 psi (max)	→	1

Decal, Closeout and Access Panel Identifier; IVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105048-001	1.25"	0.50"	Metalphoto & Adhesive	None
SDG32105048-002	1.25"	0.50"	Metalphoto	None

This label is produced from Metalphoto (with and without adhesive). Text shall be 25 PT. Helvetica.



Field 1 = NOD1 (Module Name & Number)

Field 2 = O (Location #1)

Field 3 = 2 (Location #2)

Field 4 = 11 (Numerical Identifier)

Example Only

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size, material, vary as a function of dash numbers. Below is an example of a table.

Field 1, Module Name & Number
HABx - Habitation Module
LABx - Laboratory Module
APM - ESA Attached Pressurized Module
JPM - Japanese Experiment Module
JLP - Japanese Experiment Logistics Module
MPLx - Mini Pressurized Logistics Module
NODx - Node
A/L - Airlock
CUP - Cupola
PMAx - Pressurized Mating Adapter

The "x" indicates module number.

Field 2, Location #1
P - Port
S - Starboard
O - Overhead
D - Deck

Field 4, Numerical Identifier
01-99

Field 3, Location #2
0 - Forward Encone
1 - Alcove
2 - Radial Ports
3 - Midbay
4 - Rackbay
5 - Aft Endcone

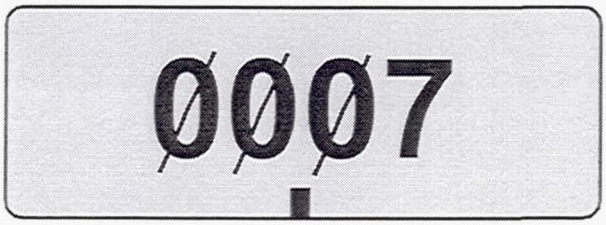
Example of a table that is to be placed on JSC 733 form.

Drawing Number	Module Name & Number	Location	Location	Numerical Identifier	Quantity
SDG32105048-001	NOD1	O	2	11	1
SDG32105048-002	MPL1	S	0	15	1

Decal, CETA Rail Locator; EVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105047-001	3.75"	1.50"	Metalphoto & Adhesive	None
SDG32105047-002	3.75"	1.50"	Metalphoto	None

This EVA label is black text on a silver-gray background, produced from Metalphoto foil (with and without adhesive). CETA Rail Locator Labels provide a continuous reference point along the nadir-most CETA Cart/MT rail of the Y-axis truss. This label allows the EVA crew member to manually position the CETA cart at a defined truss location for a particular task. Text size is 72 PT. Helvetica bold. The only acceptable text will be numbers between 0001 and 9999.



Example Only

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size, material, vary as a function of dash numbers. Below is an example of a table

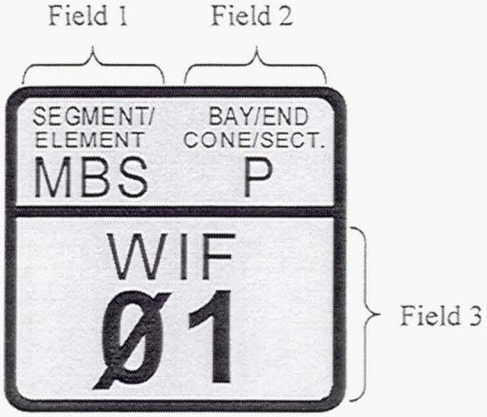
Example of table that is to be placed on JSC 733 form.

Drawing Number	CETA Rail Identifier	Quantity
SDG32105047-001	1230	1
SDG32105047-001	1260	1
SDG32105047-001	1290	1
SDG32105047-001	3330	1
SDG32105047-001	3360	1

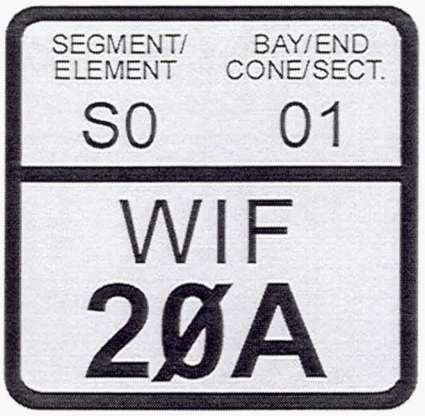
Decal, Worksite Interface (WIF) Identification; EVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105049-001	2.50"	2.50"	Metalphoto & Adhesive	None
SDG32105049-002	2.50"	2.50"	Metalphoto	None
SDG32105049-003	3.00"	3.00"	Metalphoto & Adhesive	None
SDG32105049-004	3.00"	3.00"	Metalphoto	None

This label is used to uniquely identify each Articulating Portable Foot Restraint (APFR) socket or WIF to uniquely identify each WIF location. This label is available on 8 mil Metalphoto (with and without adhesive).



-001
Example Only



-003
Example Only

Field 1 = MBS (Truss or Module Code)

Field 2 = P (Bay/End Cone/Sect. Code)

Field 3 = 01 (WIF Identifier) *

*Field 3 can have a third alpha character that designates a late WIF addition.

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size, material, vary as a function of dash numbers. The following page consists of an example of a table.

Field 1, Truss or Module Code	
S6 - Starboard truss segment number 6	EL - JEM ELM-Exposed Section
S5 - Starboard truss segment number 5	CTAx - Crew and Equipment Translation Aide Cart
S4 - Starboard truss segment number 4	MBS - Mobile Remote Servicer Base System
S3 - Starboard truss segment number 3	A/L - Airlock
S1 - Starboard truss segment number 1	APM - ESA Attached Pressurized Module
S0 - Starboard truss segment number 0	CEN - Centrifuge (TBD)
P1 - Port truss segment 1	CUP - Cupola
P3 - Port truss segment 3	HABx - Habitation Module
P4 - Port truss segment 4	JLP – Japanese Experiment Logistics Module – Pressurized Section
P5 - Port truss segment 5	JPM - Japanese Experiment Module (pressurized module)
P6 - Port truss segment 6	LABx - Laboratory Module
Z1 - Z-axis truss segment number 1	NODx - Node
EF - (JEM) Exposed Facility	PMAx - Pressurized Mating Adapter

The "x" indicates module number.

Field 2, Bay/End Cone/Sect. Code	
P – Port	C1
S – Starboard	C2
Numbers 01-99	C3

Field 3, WIF Identifier
01-99 with or without A-Z

Decal, Worksite Interface (WIF) Identification; EVA (continued)

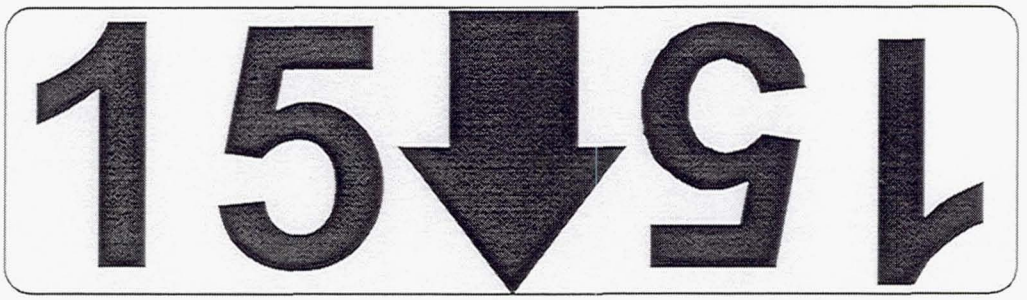
Example of the table that is to be placed on the JSC 733 form.

Drawing Number	Truss or Module Code	Bay/End Cone/Sect. Code	WIF Identifier	Quantity
SDG32105049-001	MBS	P	01	1
SDG32105049-001	JPM	05	15	1
SDG32105049-003	S0	01	20A	1
SDG32105049-004	APM	C2	08	1

Decal, Truss Bay Identification; EVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105085-001	7.00"	2.00"	Metalphoto & Adhesive	None
SDG32105085-002	7.00"	2.00"	Metalphoto	None

These black numerals and arrow on silver plate is produced from Metalphoto (with and without adhesive). This label is used to identify each truss segment bay. Text shall be 175 PT. compressed Helvetica bold. The only acceptable text will be numbers between 01 and 99.



Example Only

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size, material, vary as a function of dash numbers. Below is an example of a table.

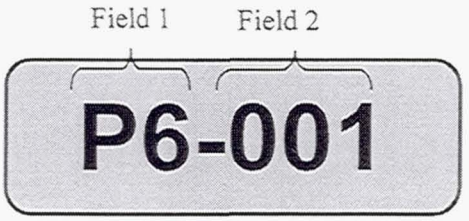
Example of table that is to be placed on JSC 733 form.

Drawing Number	Truss Bay Identifier	Quantity
SDG32105085-001	07	1
SDG32105085-001	08	1
SDG32105085-001	09	1
SDG32105085-001	10	1
SDG32105085-001	11	1
SDG32105085-001	12	1
SDG32105085-002	20	1
SDG32105085-002	21	1
SDG32105085-002	22	1
SDG32105085-002	23	1
SDG32105085-002	24	1
SDG32105085-002	25	1

Decal, Connector Panel Identifier; EVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105725-001	2.00"	0.50"	Metalphoto & Adhesive	None
SDG32105725-002	2.00"	0.50"	Metalphoto	None

This is produced from Metalphoto (with and without adhesive). This label is used to uniquely identify each external electrical or fluid connector panel. Text size shall be 36 PT. Helvetica bold.



Example Only

Field 1 = P6 (Truss or Module Code)

Field 2 = 001 (Numerical Identifier)

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size, material, vary as a function of dash numbers. Below is an example of a table.

Field 1, Truss or Module Code	
S6 - Starboard truss segment number 6	CTAx - Crew and Equipment Translation Aide Cart
S5 - Starboard truss segment number 5	MBS - Mobile Remote Servicer Base System
S4 - Starboard truss segment number 4	A/L - Airlock
S3 - Starboard truss segment number 3	APM - ESA Attached Pressurized Module
S1 - Starboard truss segment number 1	CEN - Centrifuge (TBD)
S0 - Starboard truss segment number 0	CUP - Cupola
P1 - Port truss segment 1	HABx - Habitation Module
P3 - Port truss segment 3	JLP – Japanese Experiment Logistics Module – Pressurized Section
P4 - Port truss segment 4	JPM - Japanese Experiment Module (pressurized module)
P5 - Port truss segment 5	LABx - Laboratory Module
P6 - Port truss segment 6	MPL - Mini Pressurized Logistics Module
Z1 - Z-axis truss segment number 1	NODx - Node
EF - (JEM) Exposed Facility	PMAx - Pressurized Mating Adapter
EL - JEM ELM-Exposed Section	

The "x" indicates module number.

Field 2, Numerical Identifier
001-999

Example of the table that is to be placed in the JSC 733 form.

Drawing Number	Truss or Module Code	Numerical Identifier	Quantity
SDG32105725-001	P6	020	1
SDG32105725-001	Z1	020	1
SDG32105725-002	NOD3	007	1

Decal, Module Location Coding; EVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105104-001	7.00"	2.00"	Metalphoto & Adhesive	None
SDG32105104-002	7.00"	2.00"	Metalphoto	None
SDG32105104-003	4.00"	1.00"	Metalphoto & Adhesive	None
SDG32105104-004	4.00"	1.00"	Metalphoto	None

These black text on silver Metalphoto (with and without adhesive) EVA labels provide module location coding as well as individual micrometeriod and orbital debris (MMOD) shield or multilayer insulation (MIL) identification and orientation. The 7" x 2" sized label is used on MMOD shields. The 4" x 1" sized label is used on MLI below the MMOD shields. Text shall be 175 PT. helvetica bold with 60% compression for large and 48 PT. Helvetica for small.

Field 1 = LAB1 (Module Code)

Field 2 = C2 (Bay or End Cone Code)

Field 3 = 03 (Face/Wedge Code) *

* Field 3 can have a third alpha character that designates a sub-face partition

Example Only

When Ordering: **Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size, material, vary as a function of dash numbers.**

Field 1, Truss or Module Code	
S6 - Starboard truss segment number 6	EL - JEM ELM-Exposed Section
S5 - Starboard truss segment number 5	A/L – Airlock
S4 - Starboard truss segment number 4	APM - ESA Attached Pressurized Module
S3 - Starboard truss segment number 3	CEN – Centrifuge (TBD)
S1 - Starboard truss segment number 1	CUP – Cupola
S0 - Starboard truss segment number 0	HABx – Habitation Module
P1 - Port truss segment 1	JLP – Japanese Experiment Logistics Module – Pressurized Section
P3 - Port truss segment 3	JPM - Japanese Experiment Module (pressurized module)
P4 - Port truss segment 4	LABx – Laboratory Module
P5 - Port truss segment 5	MPL - Mini Pressurized Logistics Module
P6 - Port truss segment 6	NODx – Node
Z1 - Z-axis truss segment number 1	PMAx – Pressurized Mating Adapter
EF - (JEM) Exposed Facility	

The "x" indicates module number

Field 2, Bay or Cone Code
01-99
C1
C2

Field 3, Face/Wedge Code
01-99 with or without A-Z

Example of the table is to be placed in the JSC 733 form.

Drawing Number	Module Code	Bay or End Cone Code	Face/Wedge Code	Quantity
SDG32105104-001	LAB1	C1	03A	1
SDG32105104-002	PMA2	C2	05	1
SDG32105104-003	NOD2	01	06A	1
SDG32105104-004	CEN	C1	02	1

Decal, Handrail & Handhold I.D.; EVA

Drawing Number	Dimension		Material	Restrictions
	Length	Height		
SDG32105228-001	1.50"	0.55"	Metalphoto & Adhesive	None
SDG32105228-002	1.50"	0.55"	Metalphoto	None

This label is used for EVA primary and secondary crew translation path handrail and handhold identification. This label is available on Metalphoto (with and without adhesive). The only acceptable text will be the numbers between 0001 and 9999.

Example Only

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size, material, vary as a function of dash numbers. Below is an example of a table.

Example of the table is to be placed in the JSC 733 form.

Drawing Number	Handrail & Handhold Identifier	Quantity
SDG32105228-001	1030	1
SDG32105228-001	1031	1
SDG32105228-002	1032	1

Decal, EVA Interface Equipment Mounting Location Identification

Drawing Number	Dimension		Material	Maximum Number of Characters Per Line	Restrictions
	Length	Height			
SDG32105765-001	2.50"	0.90"	Metalphoto & Adhesive	10	None
SDG32105765-002	2.50"	0.90"	Metalphoto	10	None
SDG32105765-003	3.00"	0.90"	Metalphoto & Adhesive	12	None
SDG32105765-004	3.00"	0.90"	Metalphoto	12	None
SDG32105765-005	3.50"	0.90"	Metalphoto & Adhesive	14	None
SDG32105765-006	3.50"	0.90"	Metalphoto	14	None
SDG32105765-007	4.00"	0.90"	Metalphoto & Adhesive	16	None
SDG32105765-008	4.00"	0.90"	Metalphoto	16	None
SDG32105765-009	4.50"	0.90"	Metalphoto & Adhesive	18	None
SDG32105765-010	4.50"	0.90"	Metalphoto	18	None
SDG32105765-011	5.00"	0.90"	Metalphoto & Adhesive	20	None
SDG32105765-012	5.00"	0.90"	Metalphoto	20	None

This label is used for EVA interface equipment mounting location identification. This label is available on Metalphoto (with and without adhesive). Text size shall be 25 PT. Helvetica Bold. For labels that have text that exceeds 20 characters, the text may be compressed horizontally to fit.

Example Only

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size, material, vary as a function of dash numbers. Below is an example of a table.

Example of table that is to be placed on JSC 733 form.

Drawing Number	Equipment Identifier	Quantity
SDG32105765-001	UHF ANT MOUNT	1
SDG32105765-003	LIGHT ASSY NOD1 STBD	1
SDG32105765-005	CAMERA ASSY MOUNT	1

Page intentionally left blank

Decal, EVA Interface Identification

Drawing Number	Dimension Square	Material	Font Size	Restrictions
SDG32105767-001	0.40"	Metalphoto & Adhesive	18 PT	None
SDG32105767-002	0.40"	Metalphoto	18 PT	None
SDG32105767-003	0.30"	Metalphoto & Adhesive	14 PT	None
SDG32105767-004	0.30"	Metalphoto	14 PT	None

This label is typically used for EVA fastener or other crew interface identification. This label is available on Metalphoto (with or without adhesive). The preferred font size is 18 PT. The minimum allowable font size is 14 PT. The only acceptable text will be the letters A-Z or the numbers 1-99.

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size, material, and font size, vary as a function of dash numbers. Below is an example of a table.

Example of table that is to be placed on JSC 733 form.

Drawing Number	Equipment Identifier	Quantity
SDG32105767-001	23	1
SDG32105767-002	D	1
SDG32105767-003	3	1

Decal, EVA Fluid and Electrical Connector Identification

Drawing Number	Dimension		Material	Maxinum Number of Characters	Restrictions
	Length	Height			
SDG32105768-001	1.15"	0.30"	Metalphoto & Adhesive		None
SDG32105768-002	1.15"	0.30"	Metalphoto		None
SDG32105768-003	1.75"	0.30"	Metalphoto & Adhesive		None
SDG32105768-004	1.75"	0.30"	Metalphoto		None

This label is used for identifying fluid and electrical connectors. This label is available on Metalphoto (with and without adhesive).

SDG32105768-001 SDG32105768-003

Examples Only

Field 1 = P, J, F, & M (Connector Mating-Half Designations.)
Field 2 = 203 (Numberical Identifier)

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with program offices. Each decal requested, along with the text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size, material, vary as a function of dash numbers. Below is an example of a table.

Field 2, Connector Mating-Half Designations
Electrical Connectors
P - Plug
J - Jack
Fluid Connectors
F - Female
M - Male

Field 2, Numerical Identifier
001-999

Example of the table is to be placed in the JSC 733 form.

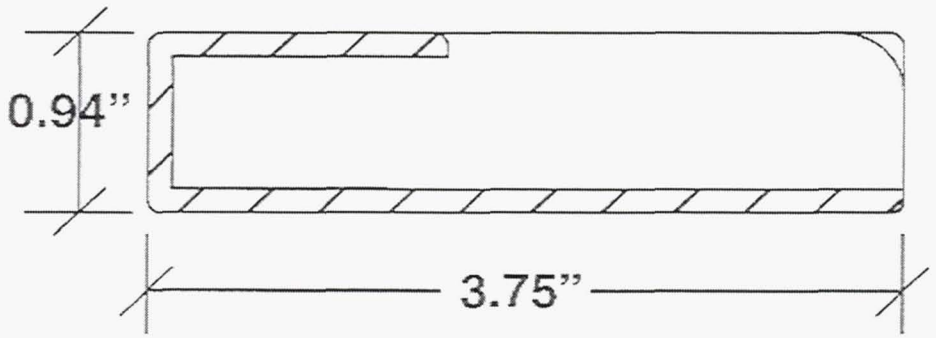
Drawing Number	Connector	Numerical Identifier	Quantity
SDG32105768-001	P	203	1
SDG32105768-001	F	235	1
SDG32105768-003	P/J	203/103	1
SDG32105768-003	F/M	235/130	1

7.5 Pocket Assembly Decals

- Pocket Assembly, Rack Label, IVA
- Pocket Assembly, Emergency Exit, IVA
- Pocket Assembly, Stowage Tray Picture Decal, IVA

Pocket Assembly, Rack Label; IVA

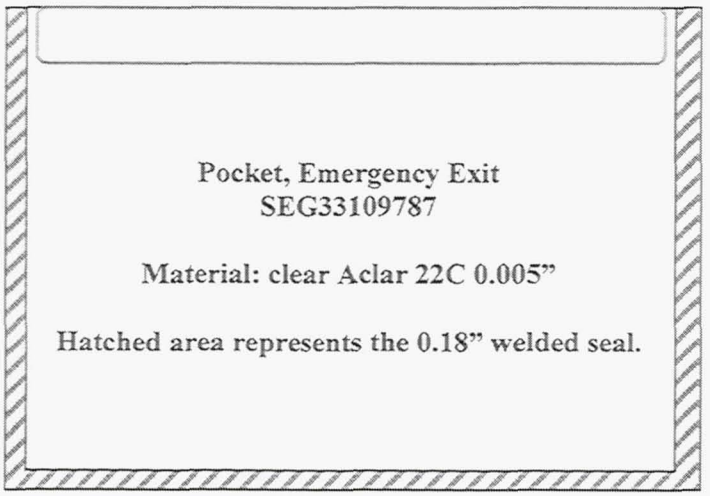
Drawing Number	Dimension	
	Length	Height
SEG33109785-701	3.75"	0.94"



These decal containment devices come with approved Avery Dennison FT 1198 UHA adhesive.

Pocket Assembly, Emergency Exit; IVA

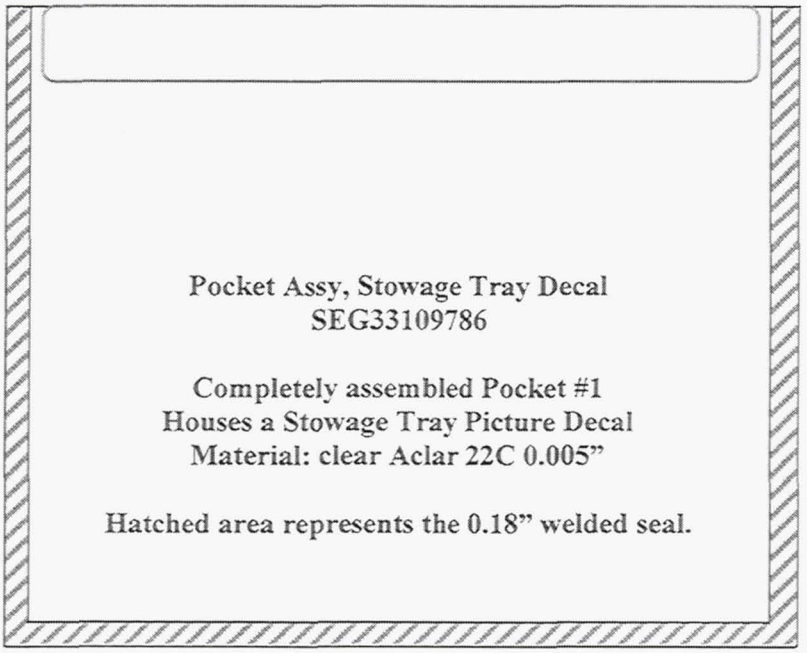
Drawing Number	Dimension	
	Length	Height
SEG33109787-701	5.50"	4.50"
SEG33109787-703	4.03"	3.25"



These decal containment devices come with approved Avery Dennison FT 1198 UHA adhesive.

Pocket Assembly, Stowage Tray Picture Decal; IVA

Drawing Number	Dimension		Restrictions
	Length	Height	
SEG33109786-701	5.50"	3.00"	None
SEG33109786-703	5.94"	4.30"	None



These decal containment devices come with approved Avery Dennison FT 1198 UHA adhesive.

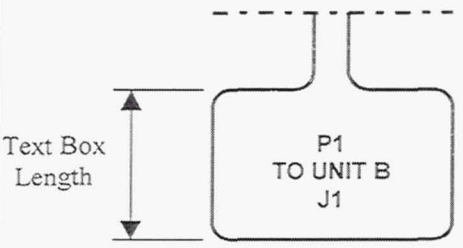
7.6 Payload Cable Labels

- "T" Style Cable End Connection Label, IVA
- "Flag" Style Cable End Connection Label, IVA
- "Band" Style Cable End Connection Label, (Horizontal), IVA
- "Band" Style Cable End Connection Label, (Vertical), IVA
- "T" Style Cable Identification Label, IVA
- "Flag" Style Cable Identification Label, IVA
- "Band" Style Cable Identification Label, (Vertical), IVA

"T" Style Cable End Connection Label; IVA

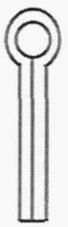
This label is used to identify the end connections for ISS payload cables. There are four different styles used to identify the cable end connections. This label is identified by the "T" style. This white background with black letters label is made from Brady material with adhesive. All text information is mirrored on the centerline. Drawing numbers should be chosen carefully based on the center length, since cable thickness will make an impact on the overall length. Restrictions for this.label are as follows: IVA only and Flammability.

Drawing Number	Dimension				Font Size
	Overall Length	Text Box Length	Height	Center Height	
SDG32105757-001	3"	1.0"	2.5"	1"	9
SDG32105757-002	3"	1.0"	3.0"	1"	12
SDG32105757-003	4"	1.5"	2.5"	1"	9
SDG32105757-004	4"	1.5"	3.0"	1"	12
SDG32105757-005	5"	2.0"	2.5"	1"	9
SDG32105757-006	5"	2.0"	3.0"	1"	12
SDG32105757-007	4"	1.0"	2.5"	2"	9
SDG32105757-008	4"	1.0"	3.0"	2"	12
SDG32105757-009	5"	1.5"	2.5"	2"	9
SDG32105757-010	5"	1.5"	3.0"	2"	12
SDG32105757-011	6"	2.0"	2.5"	2"	9
SDG32105757-012	6"	2.0"	3.0"	2"	12
SDG32105757-013	5"	1.0"	2.5"	3"	9
SDG32105757-014	5"	1.0"	3.0"	3"	12
SDG32105757-015	6"	1.5"	2.5"	3"	9
SDG32105757-016	6"	1.5"	3.0"	3"	12
SDG32105757-017	7"	2.0"	2.5"	3"	9
SDG32105757-018	7"	2.0"	3.0"	3"	12

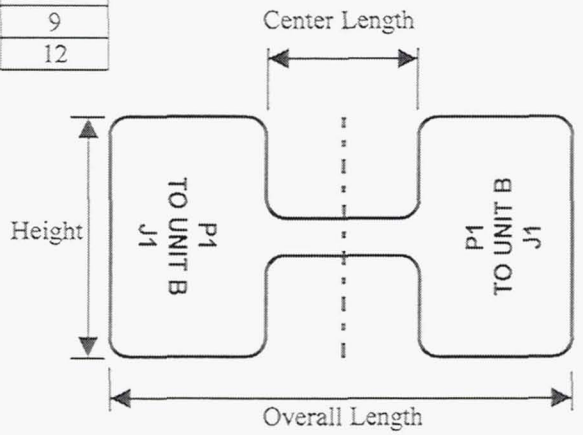


Field 1 = P1 (6 Characters Max.)
Field 2 = TO UNIT B (24 Characters Max.)
Field 3 = J1 (6 Characters Max.)

"P" designates cable end plugs and "J" designates receptacles on hardware regardless of gender (pins/sockets). Each of these designators needs to be included with the rest of the text.



Representation of label around cable.



When Ordering: **Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with Flight Projects Division's ISS Payload Label Approval Team. Each label requested along with text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size varies as a function of dash numbers. Below is an example of the table.**

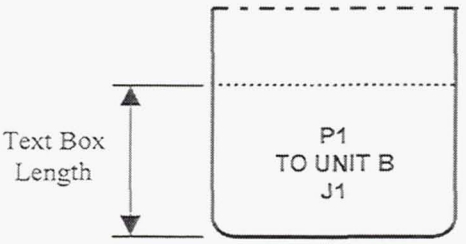
Example of table that is to be placed on JSC 733 form.

Drawing Number	Field 1	Field 2	Field 3	Quantity
SDG32105757-001	P1	TO UNIT B	J1	1
SDG32105757-010	P2	TO UNIT C	J2	1

"Flag" Style Cable End Connection Label; IVA

This label is used to identify the end connections for ISS payload cables. There are four different styles used to identify the cable end connections. This label is identified by the "Flag" style. This white background with black letters label is made from Brady material with adhesive. All text information is mirrored on the centerline. Drawing numbers should be chosen carefully based on the center length, since cable thickness will make an impact on the overall length. Restrictions for this label are as follows: IVA only and Flammability.

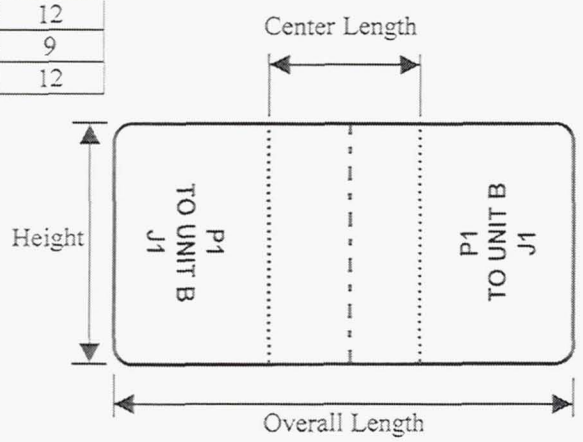
Drawing Number	Dimension				Font Size
	Overall Length	Text Box Length	Height	Center Length	
SDG32105758-001	3"	1.0"	2.5"	1"	9
SDG32105758-002	3"	1.0"	3.0"	1"	12
SDG32105758-003	4"	1.5"	2.5"	1"	9
SDG32105758-004	4"	1.5"	3.0"	1"	12
SDG32105758-005	5"	2.0"	2.5"	1"	9
SDG32105758-006	5"	2.0"	3.0"	1"	12
SDG32105758-007	4"	1.0"	2.5"	2"	9
SDG32105758-008	4"	1.0"	3.0"	2"	12
SDG32105758-009	5"	1.5"	2.5"	2"	9
SDG32105758-010	5"	1.5"	3.0"	2"	12
SDG32105758-011	6"	2.0"	2.5"	2"	9
SDG32105758-012	6"	2.0"	3.0"	2"	12
SDG32105758-013	5"	1.0"	2.5"	3"	9
SDG32105758-014	5"	1.0"	3.0"	3"	12
SDG32105758-015	6"	1.5"	2.5"	3"	9
SDG32105758-016	6"	1.5"	3.0"	3"	12
SDG32105758-017	7"	2.0"	2.5"	3"	9
SDG32105758-018	7"	2.0"	3.0"	3"	12



Field 1 = P1 (6 Characters Max.)
Field 2 = TO UNIT B (24 Characters Max.)
Field 3 = J1 (6 Characters Max.)

"P" designates cable end plugs and "J" designates receptacles on hardware regardless of gender (pins/sockets). Each of these designators needs to be included with the rest of the text.

Representation of label around cable.



When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with Flight Projects Division's ISS Payload Label Approval Team. Each label requested along with text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size varies as a function of dash numbers. Below is an example of the table.

Example of table that is to placed on JSC 733 form.

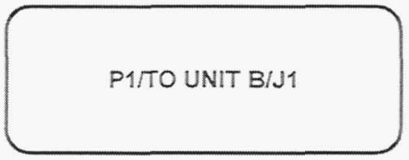
Drawing Number	Field 1	Field 2	Field 3	Quantity
SDG32105758-001	P1	TO UNIT B	J1	1
SDG32105758-010	P2	TO UNIT C	J2	1

"Band" Style Cable End Connection Label (Horizontal); IVA

This label is used to identify the end connections for ISS payload cables. There are four different styles used to identify the cable end connections. This label is identified by the "Band" style. This white background with black letters label is made from Brady material with adhesive. All text information is mirrored on the centerline. Drawing numbers should be chosen carefully based on the center length, since cable thickness will make an impact on the overall length. Restrictions for this label are as follows: IVA only and Flammability.

Drawing Number	Dimension		Font Size
	Length	Height	
SDG32105759-001	3.50"	1.0"	9
SDG32105759-002	3.50"	1.5"	9
SDG32105759-003	4.50"	1.0"	12
SDG32105759-004	4.50"	1.5"	12

Representation of label around cable.



Field 1 = P1 (6 Characters Max.)
Field 2 = TO UNIT B (24 Characters Max.)
Field 3 = J1 (6 Characters Max.)

"P" designates cable end plugs and "J" designates receptacles on hardware regardless of gender (pins/sockets). Each of these designators needs to be included with the rest of the text.

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with Flight Projects Division's ISS Payload Label Approval Team. Each label requested along with text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size varies as a function of dash numbers. Below is an example of the table.

Example of table that is to be placed on JSC 733 form.

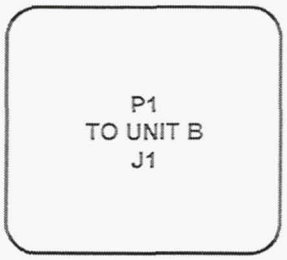
Drawing Number	Field 1	Field 2	Field 3	Quantity
SDG32105759-001	P1	TO UNIT B	J1	1
SDG32105759-010	P2	TO UNIT C	J2	1

"Band" Style Cable End Connection Label (Vertical); IVA

This label is used to identify the end connections for ISS payload cables. There are four different styles used to identify the cable end connections. This label is identified by the "Band" style. This white background with black letters label is made from Brady material with adhesive. All text information is mirrored on the centerline. Drawing numbers should be chosen carefully based on the center length, since cable thickness will make an impact on the overall length. Restrictions for this label are as follows: IVA only and Flammability.

Drawing Number	Dimension		Font Size
	Length	Height	
SDG32105760-001	2.50"	2.0"	9
SDG32105760-002	2.50"	3.0"	9
SDG32105760-003	2.50"	4.0"	9
SDG32105760-004	3.50"	2.0"	12
SDG32105760-005	3.50"	3.0"	12
SDG32105760-006	3.50"	4.0"	12

Representation of label around cable.



Field 1 = P1 (6 Characters Max.)
Field 2 = TO UNIT B (24 Characters Max.)
Field 3 = J1 (6 Characters Max.)

"P" designates cable end plugs and "J" designates receptacles on hardware regardless of gender (pins/sockets). Each of these designators needs to be included with the rest of the text.

When Ordering: **Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with Flight Projects Division's ISS Payload Label Approval Team. Each label requested along with text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size varies as a function of dash numbers. Below is an example of the table.**

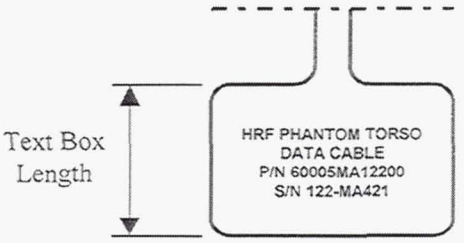
Example of table that is to be placed on JSC 733 form.

Drawing Number	Field 1	Field 2	Field 3	Quantity
SDG32105760-001	P1	TO UNIT B	J1	1
SDG32105760-010	P2	TO UNIT C	J2	1

"T" Style Cable Identification Label; IVA

This label is used to identify the ISS payload cables. There are three different styles used to identify the cables. This label is identified by the "T" style. This white background with black letters label is made from Brady material with adhesive. All text information is mirrored on the centerline. Drawing numbers should be chosen carefully based on the center length, since cable thickness will make an impact on the overall length. Restrictions for this label are as follows: IVA only and Flammability.

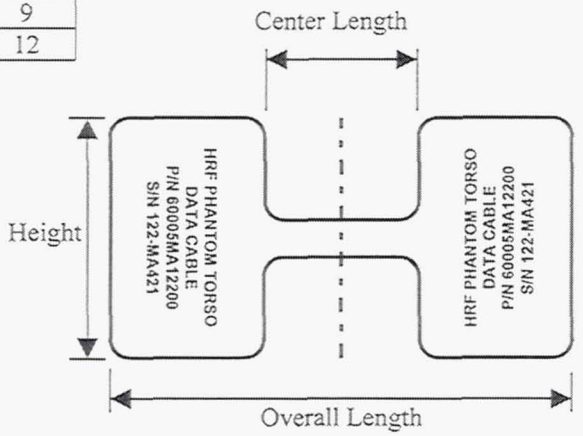
Drawing Number	Dimension				Font Size
	Overall Length	Text Box Length	Height	Center Length	
SDG32105761-001	3"	1.0"	2.5"	1"	9
SDG32105761-002	3"	1.0"	3.5"	1"	12
SDG32105761-003	4"	1.5"	2.5"	1"	9
SDG32105761-004	4"	1.5"	3.5"	1"	12
SDG32105761-005	5"	2.0"	2.5"	1"	9
SDG32105761-006	5"	2.0"	3.5"	1"	12
SDG32105761-007	4"	1.0"	2.5"	2"	9
SDG32105761-008	4"	1.0"	3.5"	2"	12
SDG32105761-009	5"	1.5"	2.5"	2"	9
SDG32105761-010	5"	1.5"	3.5"	2"	12
SDG32105761-011	6"	2.0"	2.5"	2"	9
SDG32105761-012	6"	2.0"	3.5"	2"	12
SDG32105761-013	5"	1.0"	2.5"	3"	9
SDG32105761-014	5"	1.0"	3.5"	3"	12
SDG32105761-015	6"	1.5"	2.5"	3"	9
SDG32105761-016	6"	1.5"	3.5"	3"	12
SDG32105761-017	7"	2.0"	2.5"	3"	9
SDG32105761-018	7"	2.0"	3.5"	3"	12



Field 1 = HRF PHANTOM TORSO
(24 Characters Max.)
Field 2 = DATA CABLE
(24 Characters Max.)
Field 3 = P/N 60005MA12200
(27 Characters Max.)
Field 4 = S/N 122-MA421
(27 Characters Max.)

"P" designates cable end plugs and "J" designates receptacles on hardware regardless of gender (pins/sockets). Each of these designators needs to be included with the rest of the text.

Representation of label around cable.



When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with Flight Projects Division's ISS Payload Label Approval Team. Each label requested along with text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size varies as a function of dash numbers. Below is an example of the table.

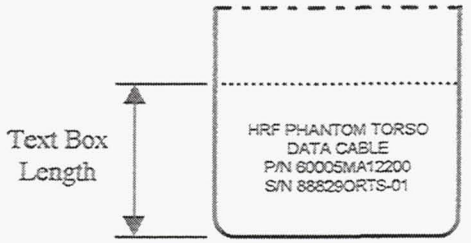
Example of table that is to placed on JSC 733 form.

Drawing Number	Field 1	Field 2	Field 3	Field 4	Quantity
SDG32105761-001	HRF PHANTOM	DATA CABLE	P/N 60005MA12200	S/N 122-MA421	1
SDG32105761-010	SAMS-II RTS	POWER CABLE	P/N 40123SA10223	S/N 888290RTS-01	1

"Flag" Style Cable Identification Label; IVA

This label is used to identify the ISS payload cables. There are three different styles used to identify the cables. This label is identified by the "Flag" style. This white background with black letters label is made from Brady material with adhesive. All text information is mirrored on the centerline. Drawing numbers should be chosen carefully based on the center length, since cable thickness will make an impact on the overall length. Restrictions for this label are as follows: IVA only and Flammability.

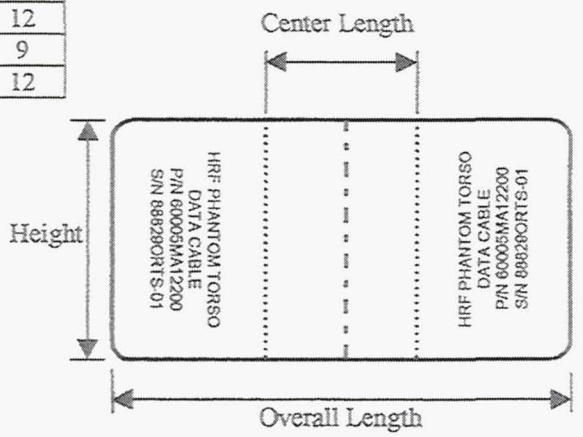
Drawing Number	Dimension				Font Size
	Overall Length	Text Box Length	Height	Center Length	
SDG32105762-001	3"	1.0"	2.5"	1"	9
SDG32105762-002	3"	1.0"	3.5"	1"	12
SDG32105762-003	3"	1.0"	2.5"	1"	9
SDG32105762-004	3"	1.0"	3.5"	1"	12
SDG32105762-005	4"	1.5"	2.5"	1"	9
SDG32105762-006	4"	1.5"	3.5"	1"	12
SDG32105762-007	4"	1.5"	2.5"	2"	9
SDG32105762-008	4"	1.5"	3.5"	2"	12
SDG32105762-009	5"	2.0"	2.5"	2"	9
SDG32105762-010	5"	2.0"	3.5"	2"	12
SDG32105762-011	5"	2.0"	2.5"	2"	9
SDG32105762-012	5"	2.0"	3.5"	2"	12
SDG32105762-013	4"	1.0"	2.5"	3"	9
SDG32105762-014	4"	1.0"	3.5"	3"	12
SDG32105762-015	4"	1.0"	2.5"	3"	9
SDG32105762-016	4"	1.0"	3.5"	3"	12
SDG32105762-017	5"	1.5"	2.5"	3"	9
SDG32105762-018	5"	1.5"	3.5"	3"	12



Field 1 = HRF PHANTOM TORSO
(24 Characters Max.)
Field 2 = DATA CABLE
(24 Characters Max.)
Field 3 = P/N 60005MA12200
(27 Characters Max.)
Field 4 = S/N 122-MA421
(27 Characters Max.)

"P" designates cable end plugs and "J" designates receptacles on hardware regardless of gender (pins/sockets). Each of these designators needs to be included with the rest of the text.

Representation of label around cable.



When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with Flight Projects Division's ISS Payload Label Approval Team. Each label requested along with text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size varies as a function of dash numbers. Below is an example of the table.

Example of table that is to be placed on JSC 733 form.

Drawing Number	Field 1	Field 2	Field 3	Field 4	Quantity
SDG32105762-001	HRF PHANTOM	DATA CABLE	P/N 60005MA12200	S/N 122-MA421	1
SDG32105762-010	SAMS-II RTS	POWER CABLE	P/N 40123SA10223	S/N 888290RTS-01	1

"Band" Style Cable Identification Label (Vertical); IVA

This label is used to identify the ISS payload cables. There are three different styles used to identify the cables. This label is identified by the "Band" style. This white background with black letters label is made from Brady material with adhesive. All text information is mirrored on the centerline. Drawing numbers should be chosen carefully based on the center length, since cable thickness will make an impact on the overall length. Restrictions for this label are as follows: IVA only and Flammability.

Drawing Number	Dimension		Font Size
	Length	Height	
SDG32105763-001	2.5"	2.0"	9
SDG32105763-002	2.5"	3.0"	9
SDG32105763-003	2.5"	4.0"	9
SDG32105763-004	3.5"	2.0"	12
SDG32105763-005	3.5"	3.0"	12
SDG32105763-006	3.5"	4.0"	12

Representation of label around cable.

Field 1 = HRF PHANTOM TORSO
(24 Characters Max.)
Field 2 = DATA CABLE
(24 Characters Max.)
Field 3 = P/N 60005MA12200
(27 Characters Max.)
Field 4 = S/N 122-MA421
(27 Characters Max.)

"P" designates cable end plugs and "J" designates receptacles on hardware regardless of gender (pins/sockets). Each of these designators needs to be included with the rest of the text.

When Ordering: Requester shall provide text that will be placed on each label. Text shall be supplied as a table accompanying JSC 733. Table shall be placed in the "Description" section of the JSC 733 form. Requester is responsible for accuracy of data within table and any required coordination with Flight Projects Division's ISS Payload Label Approval Team. Each label requested along with text required and the quantity, needs to be shown in the table. Special care should be taken to insure that the proper dash number (ex. –001) is entered for each label ordered as size varies as a function of dash numbers. Below is an example of the table.

Example of table that is to be placed on JSC 733 form.

Drawing Number	Field 1	Field 2	Field 3	Field 4	Quantity
SDG32105762-001	HRF PHANTOM	DATA CABLE	P/N 60005MA12200	S/N 122-MA421	1
SDG32105762-010	SAMS-II RTS	POWER CABLE	P/N 40123SA10223	S/N 888290RTS-01	1

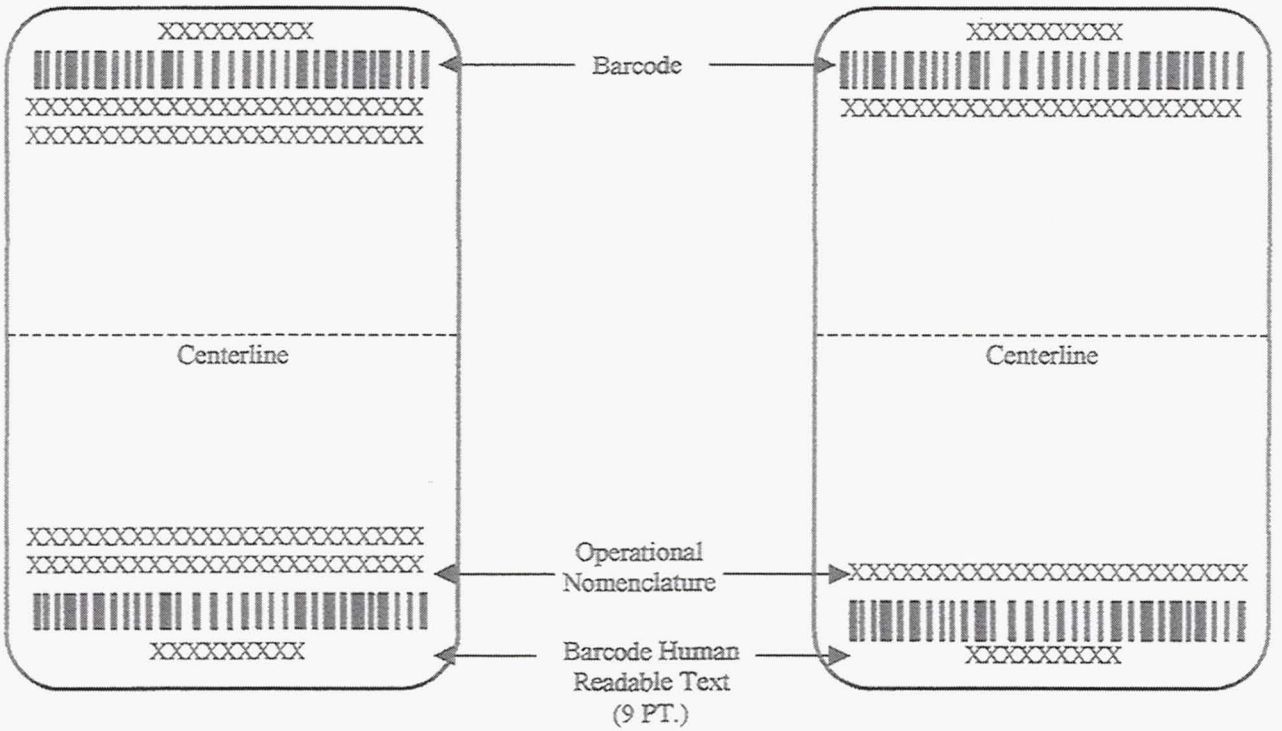
7.7 IMS Labels

- IMS Cable Label, IVA (Brady)
- IMS Labels, IVA (Helioscan)
- IMS Labels, EVA & IVA (Metalphoto)
- IMS Labels, IVA (Brady)

Decal, IMS Cable Label; IVA

Drawing Number	Dimension		Operational Nomenclature Maximum Characters Per Line	Operational Nomenclature Font Size	Restrictions
	Length	Height			
SDG32105719-001	3.00"	4.00"	23	12 or less	IVA Only, Flammability
SDG32105719-002	2.00"	3.00"	23	9 or less	IVA Only, Flammability
SDG32105719-003	1.65"	2.75"	23	7	IVA Only, Flammability

This IVA IMS Cable label is made from white Brady material. All text information and the barcode is mirrored on the centerline. Operational nomenclature is preferred, but can be left blank.

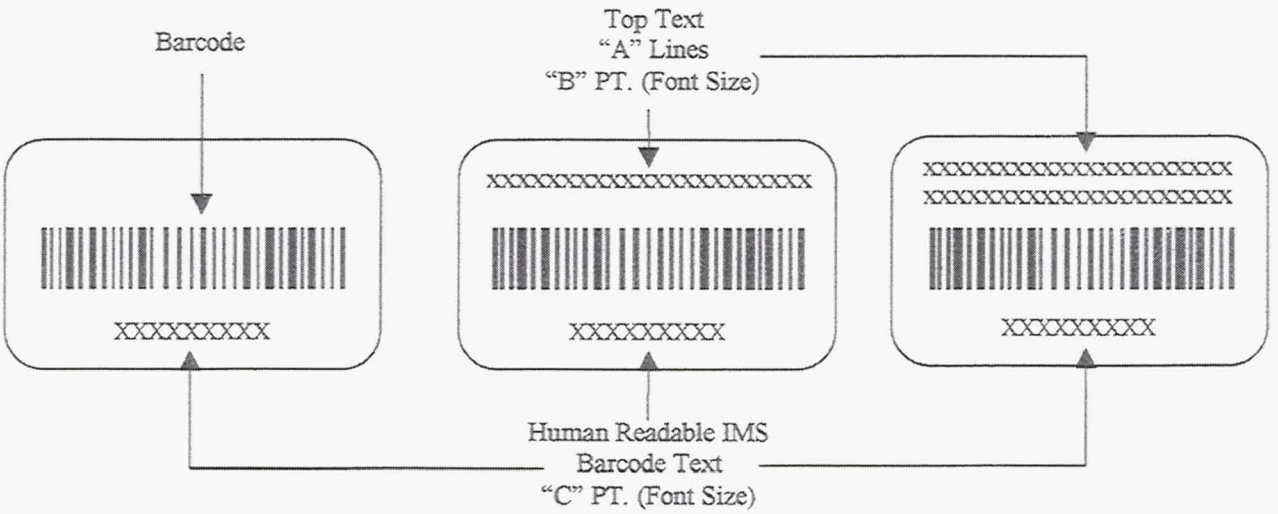


Example of one and two line text labels

When Ordering: Use JSC Form 733, Support Request, to specify part number, job description, barcode numbers and human readable code. Requester shall provide official nomenclature that will be placed on each label. Requester is responsible for accuracy of data within table and any required coordination with Mission Operations Directorate and the Inventory Management System offices. Special care should be taken to insure that the proper dash number (ex. SDG32105719-001) is entered for each label ordered as label size, font size, and the number of lines, vary as a function of dash numbers.

IMS Labels; IVA

This Inventory Management System (IMS) label is available on Helioscan (with and without adhesive).



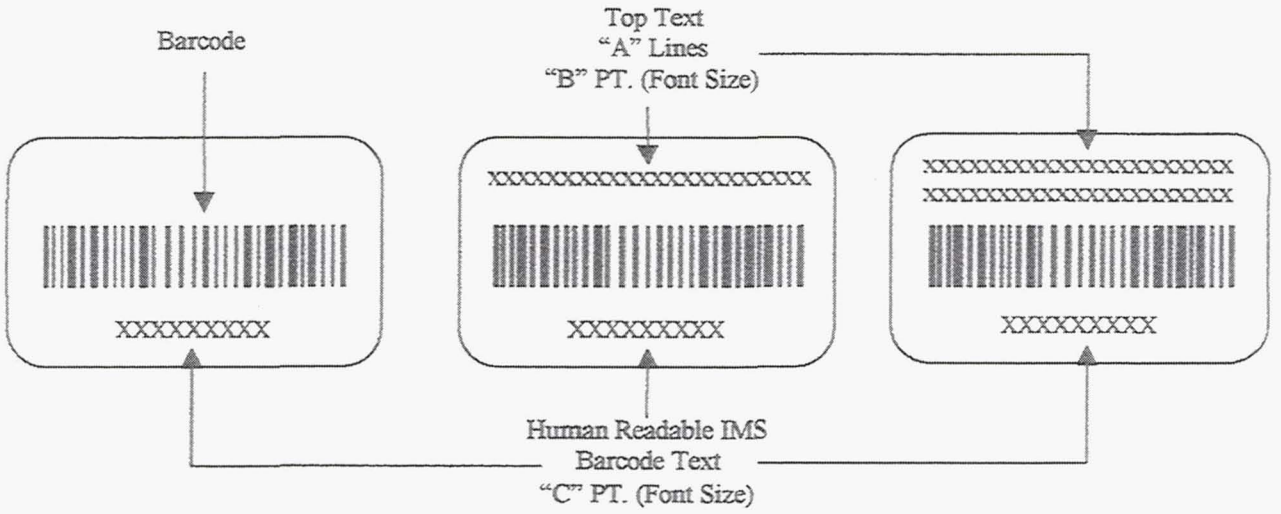
When Ordering: Use JSC Form 733 Support Request, to specify part number, job description, barcode numbers, and optional human readable code. Requester shall provide official operational nomenclature that will be placed on each label. Requester is responsible for accuracy of data within table and any required coordination with Mission Operations Directorate and the Inventory Management System offices. Special care should be taken to insure that the proper dash number (ex. SDG32104821–005) is entered for each label ordered as label size, font size, number of lines, and the allowable maximum amount of characters, vary as a function of dash numbers.

Drawing Number	Dimension		Adhesive	Number of Text Lines "A"	Top Text Font Size "B"/ Number of Characters	Barcode Text Font Size "C"/ Number of Characters
	Length	Height				
SDG32104821-005	1.64"	0.583"	Yes	0	0/0	9/9
SDG32104821-006	1.64"	0.583"	No	0	0/0	9/9
SDG32104821-007	1.64"	0.85"	Yes	1	12/13	9/9
SDG32104821-008	1.64"	0.85"	No	1	12/13	9/9
SDG32104821-009	1.64"	0.85"	Yes	2	7/23 per line	9/9
SDG32104821-010	1.64"	0.85"	No	2	7/23 per line	9/9
SDG32104821-011	1.64"	0.583"	Yes	1	7/23	9/9
SDG32104821-012	1.64"	0.583"	No	1	7/23	9/9
SDG32104821-013	1.44"	0.583"	Yes	0	0/0	9/7
SDG32104821-014	1.44"	0.583"	No	0	0/0	9/7
SDG32104821-015	1.44"	0.583"	Yes	1	7/20	9/7
SDG32104821-016	1.44"	0.583"	No	1	7/20	9/7

Restrictions: IVA Only, Flammability, Polyvinyl Chloride

IMS Labels; EVA & IVA

This Inventory Management System (IMS) label is available on 3 or 5 mil Metalphoto (with and without adhesive).



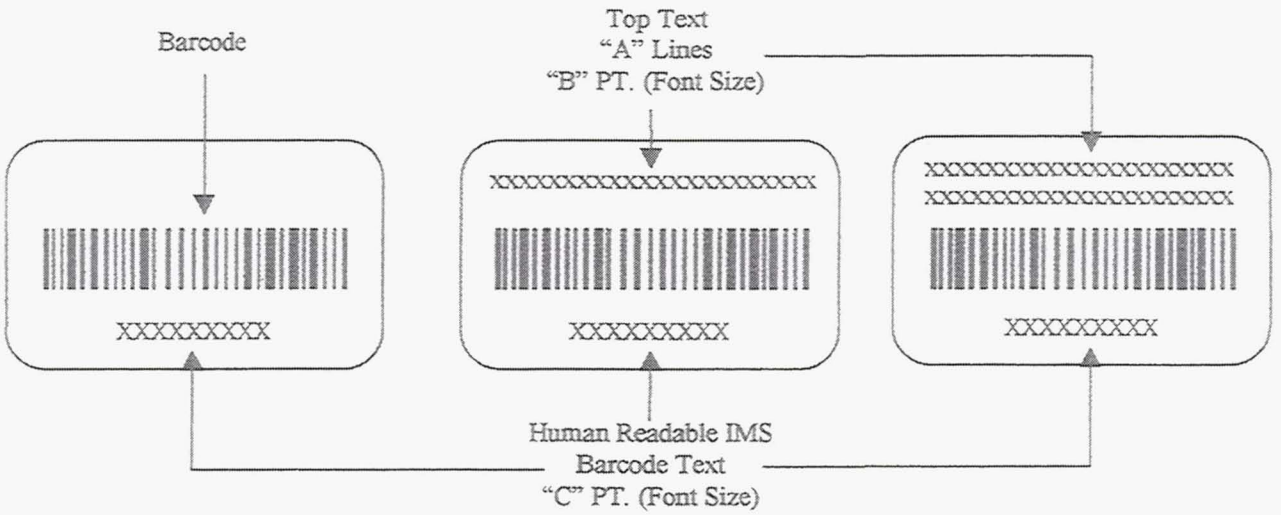
When Ordering: Use JSC Form 733 Support Request, to specify part number, job description, barcode numbers and optional human readable code. Requester shall provide official operational nomenclature that will be placed on each label. Requester is responsible for accuracy of data within table and any required coordination with Mission Operations Directorate and the Inventory Management System offices. Special care should be taken to insure that the proper dash number (ex. SDG32105720–005) is entered for each label ordered as label size, font size, number of lines,and the allowable maximum amount of characters, vary as a function of dash numbers.

Drawing Number	Dimension		Adhesive	Number of Text Lines "A"	Top Text Font Size "B"/ Number of Characters	Barcode Text Font Size "C"/ Number of Characters
	Length	Height				
SDG32105720-001	1.60"	0.75"	Yes	1	7 or 9/23	9/9
SDG32105720-002	1.60"	0.75"	No	1	7 or 9/23	9/9
SDG32105720-003	1.40"	0.60"	Yes	1	7 or 9/23	9/9
SDG32105720-004	1.40"	0.60"	No	1	7 or 9/23	9/9
SDG32105720-005	1.60"	0.50"	Yes	0	0/0	9/9
SDG32105720-006	1.60"	0.50"	No	0	0/0	9/9
SDG32105720-007	1.60"	0.75"	Yes	2	7 or 9/23	9/9
SDG32105720-008	1.60"	0.75"	No	2	7 or 9/23	9/9
SDG32105720-009	1.60"	0.60"	Yes	1	7 or 9/23	9/9
SDG32105720-010	1.60"	0.60"	No	1	7 or 9/23	9/9
SDG32105720-011	1.40"	0.50"	Yes	0	0/0	9/9
SDG32105720-012	1.40"	0.50"	No	0	0/0	9/9

Restrictions: None

IMS Labels; IVA

This Inventory Management System (IMS) label is available on Polyester (Brady material) (with and without adhesive).



When Ordering: Use JSC Form 733 Support Request, to specify part number, job description, barcode numbers and optional human readable code. Requester shall provide official operational nomenclature that will be placed on each label. Requester is responsible for accuracy of data within table and any required coordination with Mission Operations Directorate and the Inventory Management System offices. Special care should be taken to insure that the proper dash number (ex. SDG32104825–005) is entered for each label ordered as label size, font size, number of lines,and the allowable maximum amount of characters, vary as a function of dash numbers.

Drawing Number	Dimension		Adhesive	Number of Text Lines "A"	Top Text Font Size "B"/ Number of Characters	Barcode Text Font Size "C"/ Number of Characters
	Length	Height				
SDG32104825-005	1.64"	0.583"	Yes	0	0/0	9/9
SDG32104825-006	1.64"	0.583"	No	0	0/0	9/9
SDG32104825-007	1.64"	0.85"	Yes	1	12/13	9/9
SDG32104825-008	1.64"	0.85"	No	1	12/13	9/9
SDG32104825-009	1.64"	0.85"	Yes	2	7/23 per line	9/9
SDG32104825-010	1.64"	0.85"	No	2	7/23 per line	9/9
SDG32104825-011	1.64"	0.583"	Yes	1	7/23	9/9
SDG32104825-012	1.64"	0.583"	No	1	7/23	9/9
SDG32104825-013	1.44"	0.583"	Yes	0	0/0	9/7
SDG32104825-014	1.44"	0.583"	No	0	0/0	9/7
SDG32104825-015	1.44"	0.583"	Yes	1	7/20	9/7
SDG32104825-016	1.44"	0.583"	No	1	7/20	9/7

Restrictions: IVA Only, Flammability

8.0 DDPF Sample Forms:

- **JSC 733 (DDPF Support Request)**
- **JSC 733 Preparation Instructions**
- **JSC 733 Sample Form**

DECAL DESIGN & PRODUCTION FACILITY

SUPPORT REQUEST

SHUTTLE (STS-_____) ☐ SPACE STATION ☐ OTHER		SR NO.
Requested By/Organization	Mail Code	Area Code/Phone Number
Contact Person	Mail Code	Area Code/Phone Number
Drawing/Job Title		

☐ Flight Hardware ☐ Graphic Support ☐ Ground Support Equipment ☐ Miscellaneous
☐ Prototype ☐ Research/Development ☐ Mockup/Training

Payment method ☐ CCCD/SSCCD ☐ Purchase Order ☐ NASA Transfer

Date Submitted	Due Date	Charge Number

Description (*Flight Hardware requests must include Released Drawings*)

Total ☐ TPS/1027 ☐ Pick Up ☐ Mail/Fed Exp ☐ C of C ☐ Bond Room

Requester's Department Approval	DDPF Technical Monitor

JSC Form 733 (Jan 93) (MS Word Nov 97)

JSC Form 733, Support Request Instructions:

Please check one of the boxes that identifies your request; **Shuttle, Space Station or Other.**

The **SR number** is assigned by the DDPF.

Requested By/Organization: Type in name and organization of requester.
Mail Code: Type in requester's mail code.
Phone Number: Type in requester's area code and phone number.

Contact Person: Type in name of person to call if there are any questions regarding the information provided on the 733.
Mail Code: Type in contact's mail code.
Phone Number: Type in contact's area code and phone number.

Drawing/Job Title: Type in the requested flight drawing number and title.

Flight Hardware, Prototype, Mockup/Training, etc: Identify what type of decals you are requesting.

Payment Method: Contact DDPF for this information.

Date Submitted: Type in date you submit your 733 to the DDPF.

Due Date: Allow 30 working days from the date you submit the 733 to the DDPF. (The due date is calculated on when the 733 is received in the DDPF and is actually logged into their system).

Description: Identify your flight drawing number and any dash numbers that you are requesting. Identify how many decals you are requesting per each dash number. Define how you want to have the decals delivered to you. (Feel free to contact the DDPF for decal pickup and/or delivery information).

Total: Define the total number of decals you are requesting.

Requester's Approval Block: Requester signs in the approval box when submitting the 733 to the DDPF.

DECAL DESIGN & PRODUCTION FACILITY

SUPPORT REQUEST

SHUTTLE (STS-_____) ☒ SPACE STATION ☐ OTHER		SR NO.
Requested By/Organization Jane Doe/ZZ1	Mail Code ZZ1	Area Code/Phone Number 281-000-0000
Contact Person John Doe/ZZ2	Mail Code ZZ2	Area Code/Phone Number 281-000-0000
Drawing/Job Title SDG32100000/Drawing Decal		

☒ Flight Hardware ☐ Graphic Support ☐ Ground Support Equipment ☐ Miscellaneous
☐ Prototype ☐ Research/Development ☐ Mockup/Training

Payment method ☐ CCCD/SSCCD ☐ Purchase Order ☐ NASA Transfer

Date Submitted	Due Date	Charge Number
8/20/99	10/4/99	

Description (*Flight Hardware requests must include Released Drawings*)

Provide 6 ea decals per Drawing SDG32100000-001 thru –004 as noted below. Refer to released flight drawing for details. Please call John Doe at 281-000-0000 for immediate pickup upon completion of work.

Dash No.	No. Required
-001	6
-002	6
-003	6
-004	6

Total 24 ☐ TPS/1027 ☒ Pick Up ☐ Mail/Fed Exp ☐ C of C ☐ Bond Room

Requester's Department Approval	DDPF Technical Monitor
Requester's approval signature	

JSC Form 733 (Jan 93) (MS Word Nov 97)